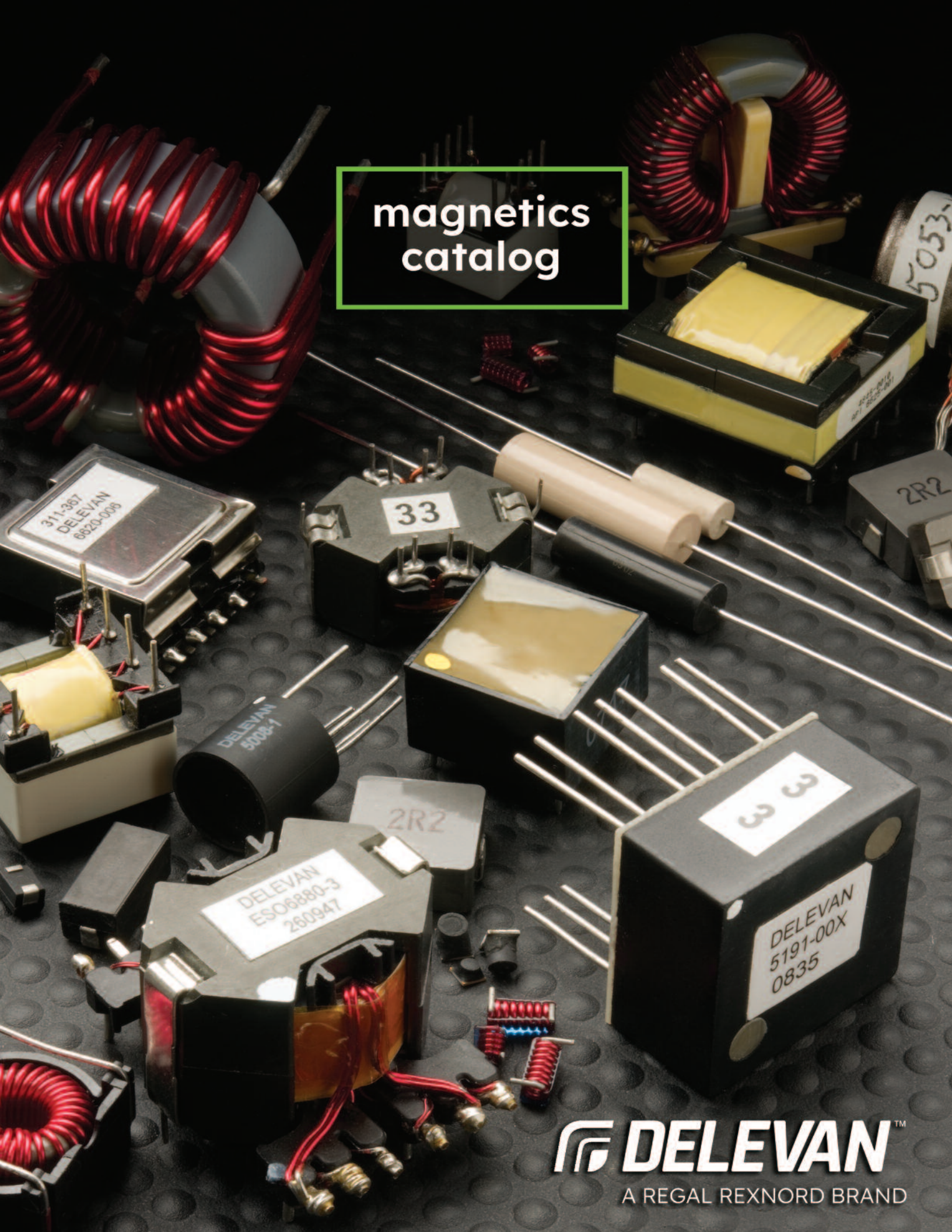
magnetics catalog



DELEVAN™

A REGAL REXNORD BRAND

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CONTACT DELEVAN FOR THE FOLLOWING:
Inductors –
Series 0920
Series 1027
Series 1537-7XX
Series 1539
Series 1842
Series 2502

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DELEVAN™
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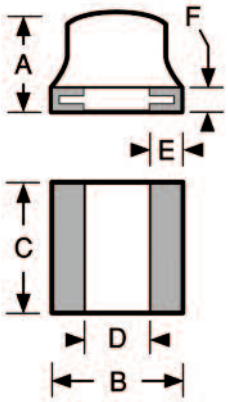
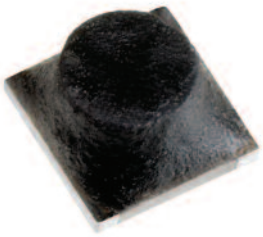
SERIES 103R 103

RoHS Compliant

MILITARY QPL APPROVED

Micro i® Chip Inductors





Actual Size

Military Specifications MIL-PRF-83446/04

Physical Parameters

	Inches	Millimeters
A	0.075 Max.	1.91 Max.
B	0.100 ± 0.010	2.54 ± 0.25
C	0.100 ± 0.010	2.54 ± 0.25
D	0.050 Min.	1.27 Min.
E	0.015 Min. (Typ.)	0.38 Min. (Typ.)
F	0.020 Max. (Typ.)	0.51 Max. (Typ.)

Weight Max. (Grams) 0.03

Current Rating at 90°C Ambient 35°C Rise

Operating Temperature Range –55°C to +125°C

Maximum Power Dissipation at 90°C 0.135 Watts

****Note**
Self Resonant Frequency (SRF) Values above 250 MHz are calculated and for reference only.

Termination Finish Options (Part # Code)
Gold over Nickel (Standard): As shown.
Tin/Lead over Nickel: Add suffix "S" to part # (e.g., 103-102KS).
Mil type "A:" Gold over Nickel (Standard)
Mil type "B" or "F:" Tin/Lead (solder) over Nickel.
RoHS type: Order 103R - XXXKS

Mechanical Configuration
Units are epoxy encapsulated.
Contact areas for reflow soldering are gold plated per MIL-G-45204 Type 1-Grade A. Internal connections are thermal compression bonded.

Packaging Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 8000 pieces max.

Made In the U.S.A.

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH) (see Note 3)	TOLERANCE	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)**	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
M83446/04– SERIES 103 PHENOLIC CORE								
-100M/K	30/37	0.010	± 20% / ± 10%	60	50.0	2700	0.060	1270
-120K	38	0.012	± 10%	57	50.0	2450	0.069	1190
-150M/K	31/39	0.015	± 20% / ± 10%	55	50.0	2200	0.078	1110
-180K	40	0.018	± 10%	52	50.0	2000	0.093	1030
-220M/K	32/41	0.022	± 20% / ± 10%	50	50.0	1800	0.108	950
-270K	42	0.027	± 10%	49	50.0	1625	0.114	925
-330M/K	33/43	0.033	± 20% / ± 10%	48	50.0	1450	0.120	900
-390K	44	0.039	± 10%	45	50.0	1335	0.133	860
-470M/K	34/45	0.047	± 20% / ± 10%	42	50.0	1220	0.145	820
-560K	46	0.056	± 10%	39	50.0	1110	0.170	760
-680M/K	35/47	0.068	± 20% / ± 10%	36	50.0	1000	0.195	705
-820K	48	0.082	± 10%	34	50.0	915	0.212	675
-101M/K	36/49	0.100	± 20% / ± 10%	32	50.0	830	0.230	650
M83446/04– SERIES 103 FERRITE CORE								
-121K	01	0.12	± 10%	30	25.0	750	0.125	880
-151K	02	0.15	± 10%	25	25.0	650	0.175	745
-181K	03	0.18	± 10%	25	25.0	550	0.200	695
-221K	04	0.22	± 10%	25	25.0	450	0.220	665
-271K	05	0.27	± 10%	25	25.0	375	0.230	650
-331K	06	0.33	± 10%	25	25.0	300	0.235	645
-391K	07	0.39	± 10%	22	25.0	235	0.240	635
-471K	08	0.47	± 10%	22	25.0	215	0.260	610
-561K	09	0.56	± 10%	22	25.0	195	0.278	590
-681K	10	0.68	± 10%	22	25.0	175	0.520	435
-821K	11	0.82	± 10%	22	25.0	160	0.530	430
-102K	12	1.0	± 10%	22	25.0	145	0.540	425
-122K	13	1.2	± 10%	22	7.9	130	0.740	360
-152K	14	1.5	± 10%	22	7.9	115	0.840	340
-182K	15	1.8	± 10%	22	7.9	105	0.920	325
-222K	16	2.2	± 10%	22	7.9	85	1.00	310
-272K	17	2.7	± 10%	24	7.9	77	1.15	290
-332K	18	3.3	± 10%	24	7.9	70	1.40	260
-392K	19	3.9	± 10%	24	7.9	68	1.55	250
-472K	20	4.7	± 10%	24	7.9	60	1.80	230
-562K	21	5.6	± 10%	22	7.9	55	2.00	220
-682K	22	6.8	± 10%	22	7.9	50	2.20	210
-822K	23	8.2	± 10%	22	7.9	48	2.50	195
-103K	24	10.0	± 10%	24	7.9	40	3.45	165
-123K	25	12.0	± 10%	25	2.5	35	3.80	160
-153K	26	15.0	± 10%	25	2.5	30	5.60	135
-183K	27	18.0	± 10%	25	2.5	28	5.80	130
-223K	28	22.0	± 10%	25	2.5	25	6.40	125
-273K	29	27.0	± 10%	25	2.5	22	6.90	120

Parts listed above are QPL/MIL qualified

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

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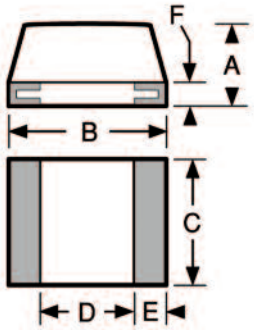
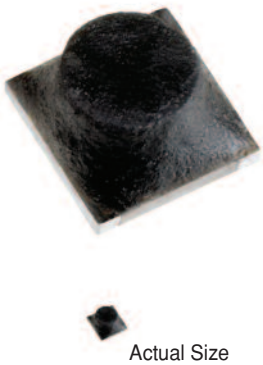
SERIES 160R 160

RoHS Compliant

MILITARY QPL APPROVED

Micro i® Chip Inductors





Actual Size

Military Specifications MIL-PRF-83446/38

Physical Parameters

	Inches	Millimeters
A	0.080 Max.	2.03 Max.
B	0.145 to 0.155	3.68 to 3.94
C	0.115 to 0.125	2.92 to 3.18
D	0.070 Min.	1.78 Min.
E	0.020 to 0.030	0.508 to 0.762
F	0.020 Max. (Typ.)	0.51 Max.

Current Rating at 90°C Ambient 35°C Rise

Operating Temperature Range –55°C to +125°C

Maximum Power Dissipation at 90°C 0.175 W

Termination Standard: Tin/Lead Sn63

Notes **1)** Designed specifically for reflow soldering and other high temperature processes with metalized edges to exhibit solder fillet. **2)** Optional marking is available. Parts can be printed with dash number (ie 100, 120, etc.). Add suffix M to part number.

For inductance values above 560µH, consult factory.

Mechanical Configuration Units are epoxy encapsulated. Contact area for reflow are solder coated. Internal connections are thermal compression bonded.

Packaging Bulk only

Made in the U.S.A.

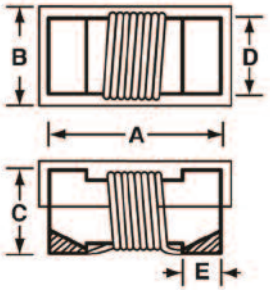
Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

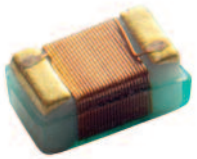
*Complete part # must include series # PLUS the dash #

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH)	TOLERANCE	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
M83446/38 – SERIES 160 PHENOLIC CORE								
-100MS	01	0.010	± 20%	48	150	900	0.050	1590
-120MS	02	0.012	± 20%	48	150	900	0.055	1515
-150MS	03	0.015	± 20%	48	150	900	0.060	1450
-180MS	04	0.018	± 20%	48	150	900	0.065	1395
-220MS	05	0.022	± 20%	48	100	900	0.070	1345
-270MS	06	0.027	± 20%	48	100	900	0.075	1295
-330MS	07	0.033	± 20%	48	100	900	0.075	1295
-390MS	08	0.039	± 20%	48	100	900	0.080	1255
-470MS	09	0.047	± 20%	48	100	850	0.085	1220
-560MS	10	0.056	± 20%	48	100	800	0.088	1195
-680MS	11	0.068	± 20%	48	100	750	0.093	1165
-820MS	12	0.082	± 20%	48	100	700	0.095	1150
M83446/38 – SERIES 160 IRON CORE								
-101KS	13	0.100	± 10%	50	25.0	600	0.075	1295
-121KS	14	0.120	± 10%	50	25.0	550	0.075	1295
-151KS	15	0.150	± 10%	50	25.0	420	0.085	1220
-181KS	16	0.180	± 10%	50	25.0	390	0.10	1125
-221KS	17	0.220	± 10%	50	25.0	340	0.11	1070
-271KS	18	0.270	± 10%	50	25.0	290	0.12	1025
-301KS	19	0.300	± 10%	50	25.0	250	0.13	985
-331KS	20	0.330	± 10%	50	25.0	230	0.14	950
-361KS	21	0.360	± 10%	50	25.0	220	0.15	915
-391KS	22	0.390	± 10%	50	25.0	210	0.16	890
-421KS	23	0.430	± 10%	50	25.0	200	0.17	860
-471KS	24	0.470	± 10%	50	25.0	190	0.18	835
-561KS	25	0.560	± 10%	50	25.0	180	0.20	795
-681KS	26	0.680	± 10%	50	25.0	170	0.23	740
-821KS	27	0.820	± 10%	50	25.0	150	0.26	695
-102JS	28	1.00	± 5%	50	25.0	140	0.34	610
-122JS	29	1.20	± 5%	36	7.9	130	0.42	545
-152JS	30	1.50	± 5%	36	7.9	120	0.56	475
-182JS	31	1.80	± 5%	36	7.9	100	0.76	410
-222JS	32	2.20	± 5%	36	7.9	98	0.93	370
-272JS	33	2.70	± 5%	40	7.9	91	1.2	325
-332JS	34	3.30	± 5%	40	7.9	76	1.3	310
-392JS	35	3.90	± 5%	47	7.9	48	1.5	290
-472JS	36	4.70	± 5%	47	7.9	46	1.7	275
-562JS	37	5.60	± 5%	44	7.9	42	1.8	270
-682JS	38	6.80	± 5%	40	7.9	39	1.9	255
-822JS	39	8.20	± 5%	40	7.9	30	2.4	230
-103JS	40	10.0	± 5%	46	7.9	26	3.2	200
-123JS	41	12.0	± 5%	41	2.5	24	3.7	185
-153JS	42	15.0	± 5%	46	2.5	23	3.8	180
-183JS	43	18.0	± 5%	46	2.5	22	4.2	175
-223JS	44	22.0	± 5%	47	2.5	18	5.5	150
-273JS	45	27.0	± 5%	47	2.5	17	6.1	145
-333JS	46	33.0	± 5%	47	2.5	13	6.6	140
-393JS	47	39.0	± 5%	50	2.5	12	7.0	135
M83446/38 – SERIES 160 FERRITE CORE								
-473JS	48	47.0	± 5%	50	2.5	11.0	8.3	125
-563JS	49	56.0	± 5%	50	2.5	10.0	8.9	120
-683JS	50	68.0	± 5%	50	2.5	9.1	13.0	100
-823JS	51	82.0	± 5%	50	2.5	8.6	14.0	95
-104JS	52	100.0	± 5%	47	2.5	7.6	16.0	90
-124JS	53	120.0	± 5%	30	0.79	6.8	17.0	85
-154JS	54	150.0	± 5%	32	0.79	5.6	18.0	80
-184JS	55	180.0	± 5%	32	0.79	4.5	22.0	75
-224JS	56	220.0	± 5%	32	0.79	4.0	28.0	70
-274JS	57	270.0	± 5%	32	0.79	3.8	32.0	65
-334JS	58	330.0	± 5%	32	0.79	3.5	44.0	55
-394JS	59	390.0	± 5%	32	0.79	3.4	48.0	50
-474JS	60	470.0	± 5%	28	0.79	3.2	75.0	42
-564JS	61	560.0	± 5%	28	0.79	2.8	81.0	40

SERIES C0402

Capped Surface Mount Chip Inductors





Actual Size (Max.)

Physical Parameters

	Inches	Millimeters
A	0.047 Max.	1.194 Max.
B	0.030 Max.	0.726 Max.
C	0.030 Max.	0.762 Max.
D	0.020 (Ref. Only)	0.508 (Ref. Only)
E	0.010 (Ref. Only)	0.254 (Ref. Only)

Operating Temperature Range –40°C to +125°C

Current Rating at 90°C Ambient +35°C Rise

Core Material / Termination
Al_2O_3 / Sintered MoMn / Electroplated Ni / Electroplated Au Finish (RoHS)
Termination: Au Finish (RoHS)

Electrical Characteristics Measured at +25°C

Part Storage Temperature Range -40° C to +125°C

Maximum Power Dissipation at 90° C 0.100 W

Inductance Measured at 1VAC with no DC Current Testing

Dielectric Withstanding Voltage (DWV)
200 Vrms at Sea Level
80 Vrms at 70,000 feet altitude

Insulation Resistance (IR) at 100 Vdc 1000 Mohms Min.

Weight/Mass 0.008 Grams (0.00028 ounces) Maximum

Substrate Material Ceramic

Outgassing Compliant Per; MIL-STD-883 Method 5011 and NASA-RP-1124 ASTM E595

Manufactured in Cleanroom
- ISO 7(@0.5 micron) Air Cleanliness Classification
- Room Presurization
- HEPA Filter Leak Testing

Made in the U.S.A.

DASH NUMBER*	NOMINAL INDUCTANCE (nH) ±5%	Q MINIMUM	INDUCTANCE & Q TEST FREQUENCY (MHz)	SRF MINIMUM (GHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES C0402						
-1N00	1.00	*	250	12.7	0.045	1360
-1N20	1.20	*	250	12.9	0.090	740
-1N80	1.80	*	250	12.0	0.070	1040
-1N90	1.90	*	250	11.3	0.070	1040
-2N00	1.93	*	250	11.1	0.070	1040
-2N20	2.20	*	250	10.8	0.070	960
-2N40	2.40	*	250	10.5	0.068	790
-2N70	2.70	*	250	10.4	0.120	640
-3N30	3.30	*	250	7.0	0.066	840
-3N60	3.60	*	250	6.8	0.066	840
-3N90	3.90	*	250	6.0	0.066	840
-4N30	4.30	*	250	6.0	0.091	700
-4N70	4.70	*	250	4.7	0.130	640
-5N10	5.10	*	250	4.8	0.083	800
-5N60	5.60	*	250	4.8	0.083	760
-6N20	6.20	*	250	4.8	0.083	760
-6N80	6.80	*	250	4.8	0.083	680
-7N50	7.50	*	250	4.8	0.100	680
-8N20	8.20	*	250	4.4	0.100	680
-8N70	8.70	*	250	4.1	0.200	480
-9N00	9.00	*	250	4.1	0.100	681
-9N50	9.50	*	250	4.0	0.200	480
-10N0	10.00	*	250	3.9	0.200	480
-11N0	11.00	*	250	3.6	0.120	640
-12N0	12.00	*	250	3.6	0.120	640
-13N0	13.00	*	250	3.4	0.210	440
-15N0	15.00	*	250	3.2	0.170	560
-16N0	16.00	*	250	3.1	0.220	560
-18N0	18.00	*	250	3.1	0.230	420
-19N0	19.00	*	250	3.0	0.200	480
-20N0	20.00	*	250	3.0	0.250	420
-22N0	22.00	*	250	2.8	0.300	400
-23N0	23.00	*	250	2.7	0.300	400
-24N0	24.00	*	250	2.7	0.300	400
-27N0	27.00	*	250	2.4	0.300	400
-30N0	30.00	*	250	2.3	0.300	400
-33N0	33.00	*	250	2.3	0.300	400
-36N0	36.00	*	250	2.3	0.440	320
-39N0	39.00	*	250	2.1	0.550	200
-40N0	40.00	*	250	2.2	0.440	320
-43N0	43.00	*	250	2.0	0.810	100
-47N0	47.00	*	250	2.1	0.830	150
-51N0	51.00	*	250	1.7	0.820	100
-56N0	56.00	*	250	1.7	0.970	100
-68N0	68.00	*	250	1.6	1.120	100
-82N0	82.00	*	250	1.2	1.550	50
-100N	100.00	*	250	1.1	2.000	30
-120N	120.00	*	250	1.1	2.200	50

Inductance Tolerance Options
M (± 20%), K (± 10%), J (± 5%), H (± 3%), G (± 2%), F (± 1%)

*Contact Delevan engineering for Q minimum values

How To Order:

C0402	C	-8N20	G	1	S	Z
(A)	(B)	(C)	(D)	(E)	(F)	(G)

(A) Inductor Series (C0402)
(B) Substrate Material (C = Ceramic)
(C) Inductance Value (-1N00 through -120N)
(D) Inductance Tolerance (M, K, J, H, G, F)
(E) Termination Finish (1 = Au Finish (RoHS))
(F) Test Plan Screening (S, C, B, D, E, U, Y)
(G) Test Report (Blank = Pass/Fail Report)
(Z = Serialized Test Report)

DELEVAN™
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SERIES C0402

Capped Surface Mount Chip Inductors

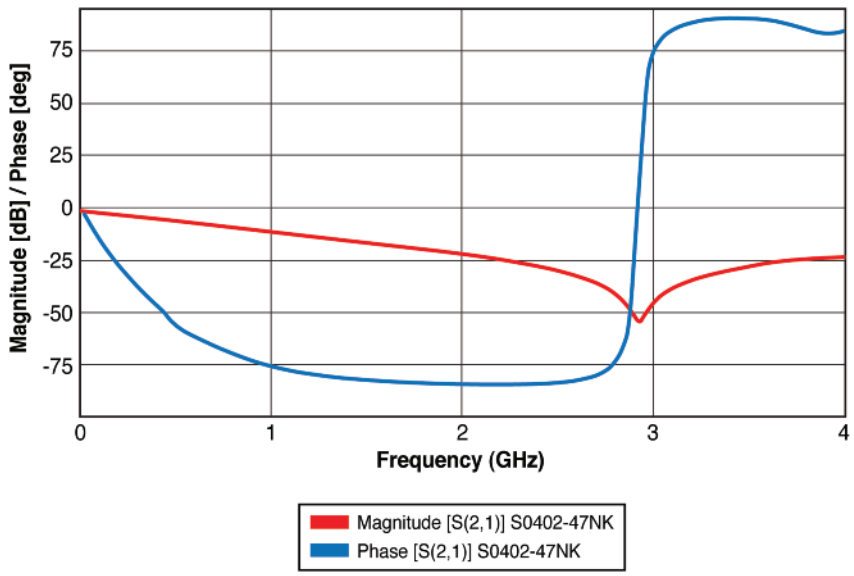
C0402 Test Plan Options

Ordering Option Code		S	C	B	D	E	U	Y
Screening Level		MIL-STD-981 Class "S"	MIL-STD-981 Class "S" Modified	MIL-STD-981 Class "B"	MIL-STD-981 Class "B" Modified	High Temp	Burn-In	Commercial
Test	Method							
Thermal Shock	MIL-PRF-83446	25 Cycles 1/ (-55°C to +125°C)	25 Cycles (-55°C to +125°C)	25 Cycles 1/ (-55°C to +125°C)	25 Cycles (-55°C to +125°C)	5 Cycles (-55°C to +175°C)		
No-Load Burn-In	MIL-STD-981	125°C (96 hours)	125°C (96 hours)	125°C (96 hours)	125°C (96 hours)	200°C (96 hours)	•	
Dielectric Withstanding Voltage	MIL-PRF-83446	200 Vrms		200 Vrms				
Insulation Resistance	MIL-PRF-83446	1000 Mohms		1000 Mohms				
Electrical Characteristics: L, Q, DCR, SRF	MIL-PRF-83446	•	•	•	•	•	•	•
Radiographic Inspection	MIL-STD-981	•						
Visual & Dimensional Examination (external)	MIL-PRF-83446	•	•	•	•		•	•
* Electrical Characteristics (initial): L, Q, DCR, SRF	MIL-PRF-83446	•	•					
* Low Temperature Operation	MIL-PRF-83446	•	•					
* Temperature Rise	MIL-PRF-83446	•				•		
* Overload	MIL-PRF-83446	•	•			•		
* Moisture Resistance	MIL-PRF-83446	•						
* Electrical Characteristics: L and Q	MIL-PRF-83446	•	•					
* High Temperature Exposure	MIL-PRF-83446	•	•					
* Electrical Characteristics (final)	MIL-PRF-83446	•	•					
* Bond Strength	MIL-PRF-83446	•	•					
* Visual & Mechanical Examination (external)	MIL-PRF-83446	•	•					
* Visual & Mechanical Examination (internal)	MIL-STD-981	•						
* Solderability	MIL-PRF-83446	•	•					
* Electrical Characteristics (initial): L, Q, DCR, SRF	MIL-PRF-83446	•	•					
* Life	MIL-PRF-83446	2000 Hours (90°C Ambient)	500 Hours (90°C Ambient)			500 Hours (175°C Ambient)		
* Dielectric Withstanding Voltage	MIL-PRF-83446	80 Vrms	80 Vrms					
* Insulation Resistance	MIL-PRF-83446	1000 Mohms	1000 Mohms					
* Electrical Characteristics (final): L, Q, DCR, SRF	MIL-PRF-83446	•	•					
* Visual & Mechanical Examination (external)	MIL-PRF-83446	•	•					
Mechanical Shock/Vibration	MIL-STD-883					•		

*Destructive Test Units Required

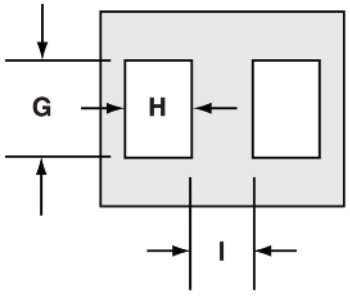
1/ Continually monitor continuity during the entire final cycle to verify no intermittent conditions.

S-Parameters (Typical)



Suggested Land Pattern

Delevan Series	G		H		I	
	Inches	mm	Inches	mm	Inches	mm
C0402 Series	0.026	0.660	0.014	0.356	0.018	0.457



All product specifications and data contained herein are subject to change without notice to improve reliability, function, performance, design or otherwise.

DELEVAN™
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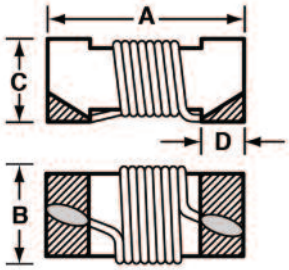
SERIES S0402

Hi-Rel Surface Mount Chip Inductors



Actual Size (Max.)

Physical Parameters

	Inches	Millimeters
A	0.037 - 0.043	0.940 - 1.092
B	0.018 - 0.025	0.457 -0.635
C	0.030 Max.	0.762 Max.
D	0.006 - 0.010	0.152 - 0.254

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient +35°C Rise

Insulation Resistance at 100 Vdc 1000 Mohm Min.

Dielectric Withstanding Voltage (DWV) 200 Vrms.

Core Material / Termination

Al_2O_3 / Sintered MoMn / Electroplated Ni / Electroplated Au Finish (RoHS)
Termination Options: Au Finish (RoHS)

Electrical Characteristics Measured at +25°C

Outgassing Compliant Per; MIL-STD-883 Method 5011 and NASA-RP-1124 ASTM E595

DASH NUMBER*	INDUCTANCE (nH) ±5%	Q MINIMUM	INDUCTANCE & Q TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES S0402						
-2N2	2.2	18	250	8500	0.090	950
-3N3	3.3	18	250	7000	0.080	800
-4N7	4.7	14	250	4700	0.150	600
-6N8	6.8	19	250	4800	0.100	600
-8N2	8.2	20	250	4400	0.130	600
-10N	10.0	20	250	3900	0.210	475
-12N	12.0	21	250	3600	0.220	475
-15N	15.0	23	250	3280	0.220	475
-22N	22.0	24	250	2800	0.350	400
-27N	27.0	23	250	2480	0.360	400
-33N	33.0	23	250	2350	0.370	400
-47N	47.0	19	250	2100	0.830	150
-56N	56.0	21	250	1700	1.000	100
-68N	68.0	20	250	1620	1.180	100

Inductance Tolerance Options
M (± 20%), K (± 10%), J (± 5%), H (± 3%), G (± 2%), F (± 1%)

S0402 Test Plan Advantages
- Provides multiple screening alternatives
- Eliminates necessity for SCD's
- Provides quicker delivery
- Reduces overall costs

Manufactured in Cleanroom
- ISO 7 (@0.5 micron) Air Cleaniless Classification
- Room Pressurization
- Air Change Rate
- HEPA Filter Leak Testing

How To Order:

S0402 -8N2 G 1 S Z
(A) (B) (C) (D) (E) (F)

(A) Inductor Series (S0402)
(B) Inductance Value (-3N3 through -271N)
(C) Inductance Tolerance (M, K, J, H, G, F)
(D) Termination Finish (1 Au Finish (RoHS)
(E) Test Plan Screening (S, C, B, D, E, U, Y)
(F) Test Report (Blank = Pass/Fail Report)
(Z = Serialized Test Report)

S0402 Test Plan Options

Ordering Option Code		S	C	B	D	E	U	Y
Screening Level		MIL-STD-981 Class "S"	MIL-STD-981 Class "S" Modified	MIL-STD-981 Class "B"	MIL-STD-981 Class "B" Modified	High Temp	Burn-In	Commercial
Test	Method							
Thermal Shock	MIL-PRF-83446	25 Cycles 1/ (-55°C to +125°C)	25 Cycles (-55°C to +125°C)	25 Cycles 1/ (-55°C to +125°C)	25 Cycles (-55°C to +125°C)	5 Cycles (-55°C to +175°C)		
No-Load Burn-In	MIL-STD-981	125°C (96 hours)	125°C (96 hours)	125°C (96 hours)	125°C (96 hours)	200°C (96 hours)	•	
Dielectric Withstanding Voltage	MIL-PRF-83446	200 Vrms		200 Vrms				
Insulation Resistance	MIL-PRF-83446	1000 Mohms		1000 Mohms				
Electrical Characteristics: L, Q, DCR, SRF	MIL-PRF-83446	•	•	•	•	•	•	•
Radiographic Inspection	MIL-STD-981	•						
Visual & Dimensional Examination (external)	MIL-PRF-83446	•	•	•	•		•	•
* Electrical Characteristics (initial): L, Q, DCR, SRF	MIL-PRF-83446	•	•					
* Low Temperature Operation	MIL-PRF-83446	•	•					
* Temperature Rise	MIL-PRF-83446	•				•		
* Overload	MIL-PRF-83446	•	•			•		
* Moisture Resistance	MIL-PRF-83446	•						
* Electrical Characteristics: L and Q	MIL-PRF-83446	•	•					
* High Temperature Exposure	MIL-PRF-83446	•	•					
* Electrical Characteristics (final)	MIL-PRF-83446	•	•					
* Bond Strength	MIL-PRF-83446	•	•					
* Visual & Mechanical Examination (external)	MIL-PRF-83446	•	•					
* Visual & Mechanical Examination (internal)	MIL-STD-981	•						
* Solderability	MIL-PRF-83446	•	•					
* Electrical Characteristics (initial): L, Q, DCR, SRF	MIL-PRF-83446	•	•					
* Life	MIL-PRF-83446	2000 Hours (90°C Ambient)	500 Hours (90°C Ambient)			500 Hours (175°C Ambient)		
* Dielectric Withstanding Voltage	MIL-PRF-83446	80 Vrms	80 Vrms					
* Insulation Resistance	MIL-PRF-83446	1000 Mohms	1000 Mohms					
* Electrical Characteristics (final): L, Q, DCR, SRF	MIL-PRF-83446	•	•					
* Visual & Mechanical Examination (external)	MIL-PRF-83446	•	•					
Mechanical Shock/Vibration	MIL-STD-883					•		

*Destructive Test Units Required

1/ Continually monitor continuity during the entire final cycle to verify no intermittent conditions.

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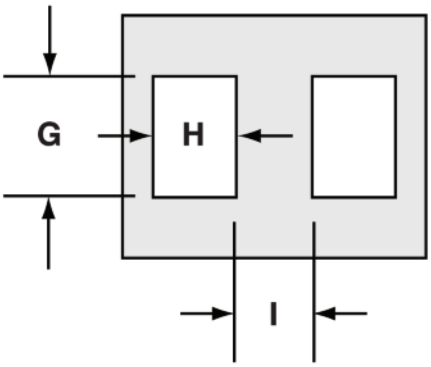
SERIES S0402

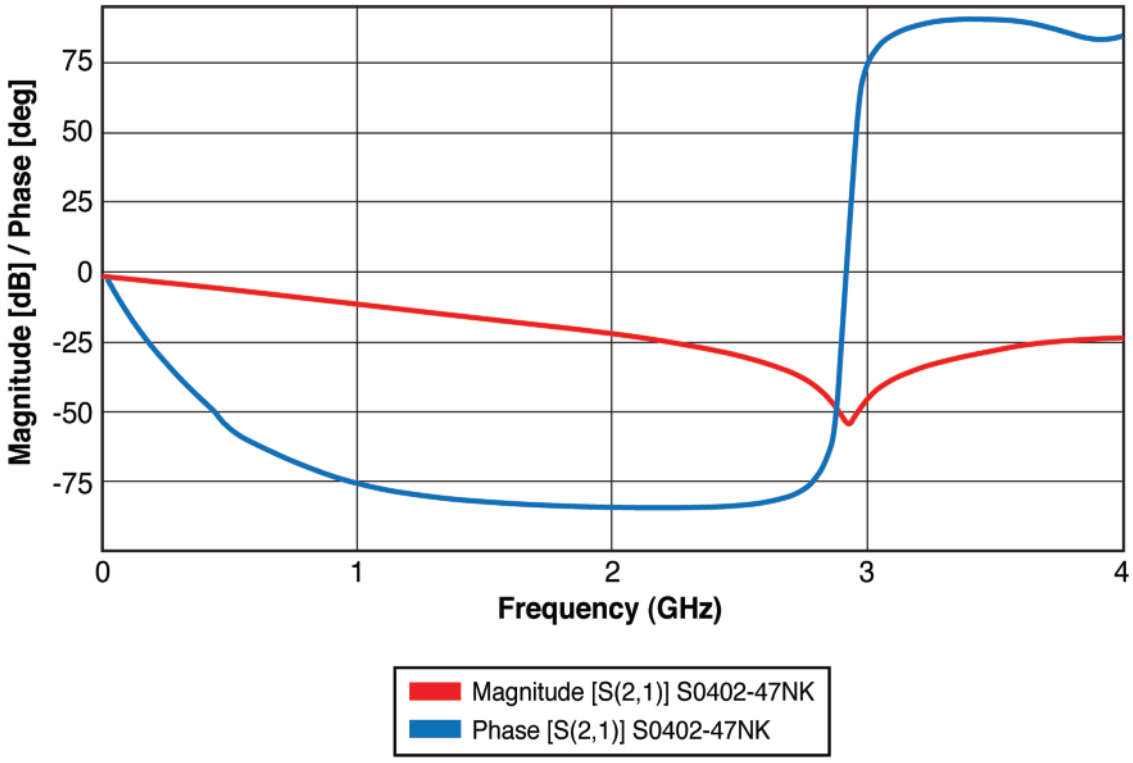
Hi-Rel Surface Mount Chip Inductors

Suggested Land Patterns



Delevan Series	G		H		I	
	Inches	mm	Inches	mm	Inches	mm
S0402 Series	0.026	0.660	0.014	0.356	0.018	0.457

S-Parameters (Typical)



270 Quaker Rd., East Aurora NY 14052 • Phone 716-652-3600 • Fax 716-652-4814 • E-mail: Delevan.Sales@regalrexnord.com • www.delevan.com

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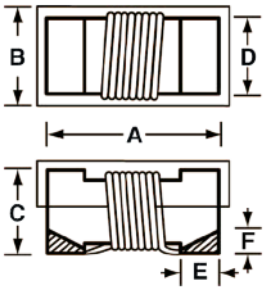
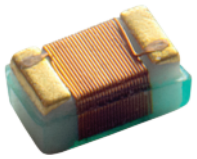
SERIES C0603

Capped Surface Mount Chip Inductors





Actual Size (Max.)

Physical Parameters

	Inches	Millimeters
A	0.071 Max.	1.80 Max.
B	0.047 Max.	1.19 Max.
C	0.040 Max.	1.02 Max.
D	0.030 (Ref. Only)	0.76 (Ref. Only)
E	0.018 (Ref. Only)	0.44 (Ref. Only)
F	0.008 (Ref. Only)	0.20 (Ref. Only)

Operating Temperature Range –40°C to +125°C

Current Rating at 90°C Ambient +35°C Rise

Core Material / Termination
Al_2O_3 / Sintered MoMn / Electroplated Ni / Electroplated Au Finish (RoHS)
Termination Options: Au Finish (RoHS)

Electrical Characteristics Measured at +25°C

Part Storage Temperature Range -40° C to +125°C

Maximum Power Dissipation at 90° C 0.100 W

Inductance Measured at 1VAC with no DC Current Testing

Dielectric Withstanding Voltage (DWV)
200 Vrms at Sea Level
80 Vrms at 70,000 feet altitude

Insulation Resistance (IR) at 100 Vdc 1000 Mohms Min.

Weight/Mass 0.008 Grams (0.00028 ounces) Maximum

Substrate Material Ceramic

Outgassing Material Per; MIL-STD-883 Method 5011 and NASA-RP-1124 ASTM E595

Manufactured in Cleanroom
- ISO 7(@0.5 micron) Air Cleanliness Classification
- Room Presurization
- HEPA Filter Leak Testing

Made in the U.S.A.

DASH NUMBER*	NOMINAL INDUCTANCE (nH) ±5%	Q MINIMUM	INDUCTANCE & Q TEST FREQUENCY (MHz)	SRF MINIMUM (GHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES C0603						
-1N60	1.60	20	250	8.50	0.06	1000
-1N80	1.80	22	250	8.50	0.07	1000
-2N20	2.20	13	250	6.00	0.25	400
-3N30	3.30	22	250	6.00	0.07	1000
-3N60	3.60	22	250	6.00	0.07	1000
-3N90	3.90	22	250	6.00	0.07	1000
-4N30	4.30	22	250	6.00	0.09	885
-4N70	4.70	22	250	6.00	0.09	885
-5N10	5.10	20	250	5.70	0.14	700
-5N60	5.60	22	250	5.80	0.10	840
-6N80	6.80	30	250	5.80	0.10	840
-7N50	7.50	28	250	4.80	0.14	700
-8N20	8.20	30	250	4.20	0.14	700
-8N70	8.70	30	250	5.20	0.14	700
-9N50	9.50	28	250	4.80	0.15	700
-10N0	10.00	31	250	4.80	0.16	665
-11N0	11.00	30	250	4.00	0.13	700
-12N0	12.00	35	250	4.00	0.13	700
-15N0	15.00	35	250	4.00	0.17	645
-16N0	16.00	35	250	3.10	0.17	645
-18N0	18.00	35	250	3.10	0.17	645
-22N0	22.00	35	250	3.00	0.19	610
-23N0	23.00	35	250	2.85	0.19	610
-24N0	24.00	35	250	2.65	0.19	610
-27N0	27.00	37	250	2.80	0.22	565
-30N0	30.00	37	250	2.25	0.22	565
-33N0	33.00	37	250	2.30	0.22	565
-36N0	36.00	37	250	2.08	0.25	540
-39N0	39.00	38	250	2.20	0.24	540
-43N0	43.00	38	250	2.00	0.28	500
-47N0	47.00	38	200	2.00	0.28	500
-51N0	51.00	35	200	1.90	0.30	475
-56N0	56.00	38	200	1.90	0.31	475
-68N0	68.00	37	200	1.70	0.36	440
-72N0	72.00	34	150	1.70	0.49	400
-82N0	82.00	34	150	1.70	0.54	360
-100N	100.00	34	150	1.40	0.75	300
-110N	110.00	32	150	1.30	0.61	300
-120N	120.00	32	150	1.30	0.79	300
-150N	150.00	28	150	1.00	1.14	245
-180N	180.00	25	150	1.00	0.77	235
-200N	200.00	25	150	0.90	1.98	200
-210N	210.00	24	150	0.90	2.06	200
-220N	220.00	23	150	0.70	1.70	200
-250N	250.00	19	100	0.60	3.55	120
-270N	270.00	21	100	0.60	2.10	195
-330N	330.00	19	100	0.40	3.89	100
-390N	390.00	19	100	0.30	4.35	100

Inductance Tolerance Options
M (± 20%), K (± 10%), J (± 5%), H (± 3%), G (± 2%), F (± 1%)

How To Order:

C0603	C	-8N20	G	1	S	Z
(A)	(B)	(C)	(D)	(E)	(F)	(G)

(A) Inductor Series (C0603)
(B) Substrate Material (C = Ceramic)
(C) Inductance Value (-1N60 through -390N)
(D) Inductance Tolerance (M, K, J, H, G, F)
(E) Termination Finish (1 = Au Finish (RoHS))
(F) Test Plan Screening (S, C, B, D, E, U, Y)
(G) Test Report (Blank = Pass/Fail Report)
(Z = Serialized Test Report)

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SERIES C0603

Capped Surface Mount Chip Inductors

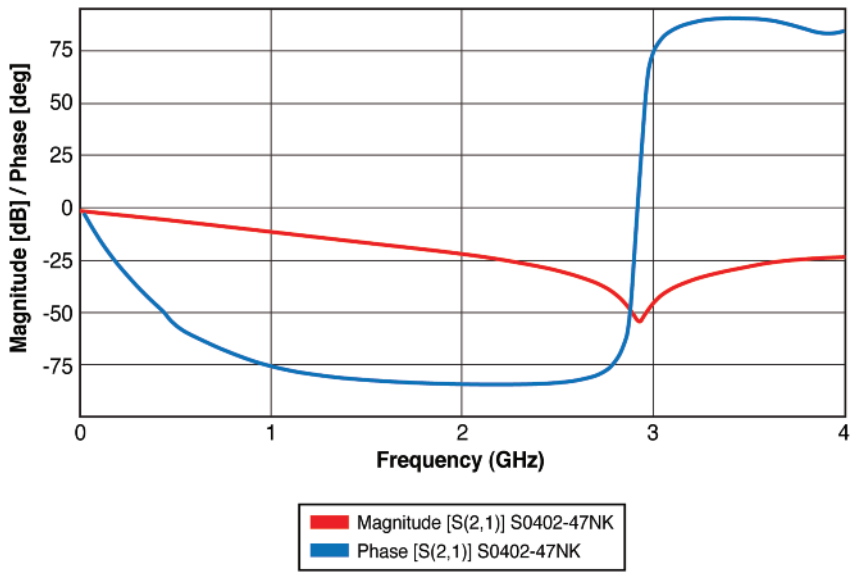
C0603 Test Plan Options

Ordering Option Code		S	C	B	D	E	U	Y
Screening Level		MIL-STD-981 Class "S"	MIL-STD-981 Class "S" Modified	MIL-STD-981 Class "B"	MIL-STD-981 Class "B" Modified	High Temp	Burn-In	Commercial
Test	Method							
Thermal Shock	MIL-PRF-83446	25 Cycles 1/ (-55°C to +125°C)	25 Cycles (-55°C to +125°C)	25 Cycles 1/ (-55°C to +125°C)	25 Cycles (-55°C to +125°C)	5 Cycles (-55°C to +175°C)		
No-Load Burn-In	MIL-STD-981	125°C (96 hours)	125°C (96 hours)	125°C (96 hours)	125°C (96 hours)	200°C (96 hours)	•	
Dielectric Withstanding Voltage	MIL-PRF-83446	200 Vrms		200 Vrms				
Insulation Resistance	MIL-PRF-83446	1000 Mohms		1000 Mohms				
Electrical Characteristics: L, Q, DCR, SRF	MIL-PRF-83446	•	•	•	•	•	•	•
Radiographic Inspection	MIL-STD-981	•						
Visual & Dimensional Examination (external)	MIL-PRF-83446	•	•	•	•		•	•
* Electrical Characteristics (initial): L, Q, DCR, SRF	MIL-PRF-83446	•	•					
* Low Temperature Operation	MIL-PRF-83446	•	•					
* Temperature Rise	MIL-PRF-83446	•				•		
* Overload	MIL-PRF-83446	•	•			•		
* Moisture Resistance	MIL-PRF-83446	•						
* Electrical Characteristics: L and Q	MIL-PRF-83446	•	•					
* High Temperature Exposure	MIL-PRF-83446	•	•					
* Electrical Characteristics (final)	MIL-PRF-83446	•	•					
* Bond Strength	MIL-PRF-83446	•	•					
* Visual & Mechanical Examination (external)	MIL-PRF-83446	•	•					
* Visual & Mechanical Examination (internal)	MIL-STD-981	•						
* Solderability	MIL-PRF-83446	•	•					
* Electrical Characteristics (initial): L, Q, DCR, SRF	MIL-PRF-83446	•	•					
* Life	MIL-PRF-83446	2000 Hours (90°C Ambient)	500 Hours (90°C Ambient)			500 Hours (175°C Ambient)		
* Dielectric Withstanding Voltage	MIL-PRF-83446	80 Vrms	80 Vrms					
* Insulation Resistance	MIL-PRF-83446	1000 Mohms	1000 Mohms					
* Electrical Characteristics (final): L, Q, DCR, SRF	MIL-PRF-83446	•	•					
* Visual & Mechanical Examination (external)	MIL-PRF-83446	•	•					
Mechanical Shock/Vibration	MIL-STD-883					•		

*Destructive Test Units Required

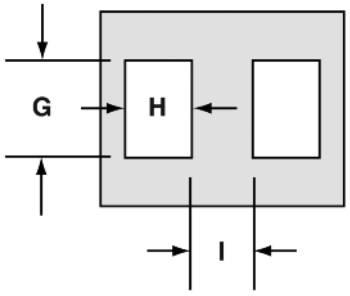
1/ Continually monitor continuity during the entire final cycle to verify no intermittent conditions.

S-Parameters (Typical)



Suggested Land Pattern

Delevan Series	G		H		I	
	Inches	mm	Inches	mm	Inches	mm
C0603 Series	0.040	1.016	0.025	0.635	0.050	1.270



All product specifications and data contained herein are subject to change without notice to improve reliability, function, performance, design or otherwise.

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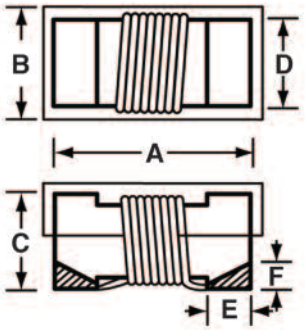
SERIES M83446/36

MILITARY QPL APPROVED

Hi-Rel 0603 Surface Mount Chip Inductors, Open Construction



MIL DASH NUMBER	INDUCTANCE (nH)	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
M83446/36 SERIES CERAMIC CORE						
-01	1.8	22	250	6000	0.07	1000
-24	3.3	22	250	6000	0.07	1000
-02	3.6	22	250	6000	0.07	1000
-03	3.9	22	250	6000	0.07	1000
-25	4.3	22	250	6000	0.09	885
-04	4.7	22	250	6000	0.09	885
-26	5.6	22	250	5800	0.10	840
-05	6.8	30	250	5800	0.10	840
-27	8.7	30	250	5200	0.14	705
-06	10	31	250	4800	0.16	665
-07	12	35	250	4000	0.13	735
-08	15	35	250	4000	0.17	645
-28	16	35	250	3400	0.17	645
-09	18	35	250	3100	0.17	645
-10	22	38	250	3000	0.19	610
-11	27	40	250	2800	0.22	565
-12	33	40	250	2300	0.22	565
-13	39	40	250	2200	0.24	540
-14	47	38	200	2000	0.28	500
-15	56	38	200	1900	0.31	475
-16	68	37	200	1700	0.36	440
-17	82	34	150	1700	0.54	360
-18	100	34	150	1400	0.75	305
-19	120	32	150	1300	0.79	300
-20	150	28	150	990	1.14	245
-21	180	25	150	990	1.28	235
-22	220	25	150	700	1.70	200
-23	270	16	25	600	1.78	195

Available in 2%, 5% and 10% tolerance

Inductance and Q are tested using HP4291A or HP4287A, or equivalent, with text fixture 16193A, or equivalent

Self Resonant Frequency is tested using HP8753C, or equivalent, with High-Precision TRL-Calibrated test fixture

Parameters

Dimensions

	Inches	Millimeters
A	0.071 Max.	1.80 Max.
B	0.047 Max.	1.19 Max.
C	0.040 Max.	1.02 Max.
D	0.030 (Ref. Only)	0.76 (Ref. Only)
E	0.018 (Ref. Only)	0.44 (Ref. Only)
F	0.008 (Ref. Only)	0.20 (Ref. Only)

Current Rating at 90°C Ambient 35°C Rise
Operating Temperature Range –55°C to +125°C
Part Storage Temperature Range -55° C to +125°C
Maximum Power Dissipation at 90° C 0.100 W
Electrical Characteristics Measured at +25°C
DWV 200 Vrms at Sea Level
80 Vrms at 70,000 feet altitude
IR at 100 Vdc 1000 Mohms Min.
Weight/Mass 0.008 Grams Maximum

Termination

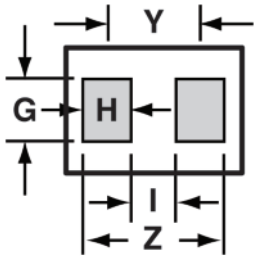
Terminal Finish Suffix A: Gold Termination (RoHS compliant)
Core Material / Termination Al2O3 Ceramic / Sintered MoMn / Electroplated Ni / Electroplated Au Finish (RoHS Compliant)

Testing

MIL-PRF-83446 testing (Each Lot)
Group A Subgroup I which includes:
1) Thermal Shock, 5 cycles
2) Post-Thermal Shock Inductance & Q Testing
Group A Subgroup II which includes:
1) Visual & Mechanical Inspection
2) SRF & DCR Testing

Vibration MIL-STD-202, Method 204, Test Condition D
Shock MIL-STD-202, Method 213, Test Condition I
Moisture Resistance MIL-STD-202, Method 106
Solderability MIL-STD-202, Method 208

Recommended Landing Pattern



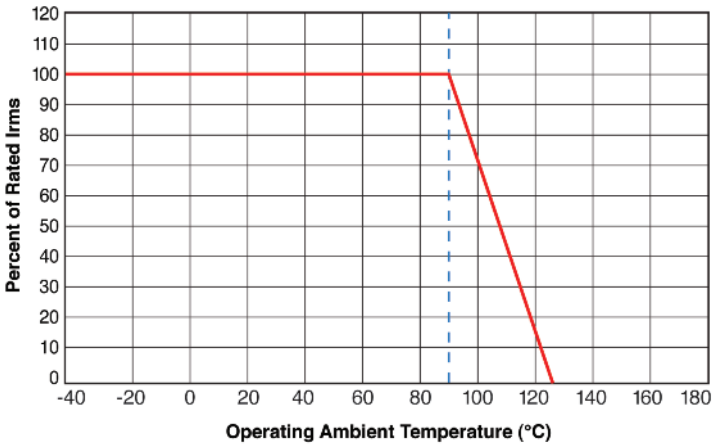
	Inches	mm
Z	0.075	1.905
I	0.025	0.635
G	0.040	1.016
H	0.025	0.635
Y	0.050	1.270

DELEVAN™
A REGAL REXNORD BRAND

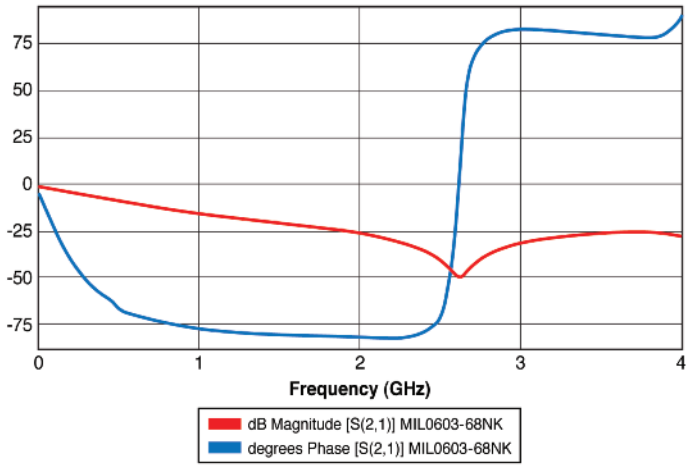
SERIES M83446/36

Hi-Rel 0603 Surface Mount Chip Inductors, Open Construction

Derating Curve



S-Parameters (Typical)



Marking and Packaging

Package (Reel Marking)

MILITARY P/N
API Delevan Cage Code
Date Code/Lot Symbol (YYWWL)
Example: M83446/36-12AGMT
99800
1508A

Packaging

T = Tape & Reel, 8mm, 4000 pieces max.
Min. 1, Multiple 1
W = Waffle Pack, 350 pcs. per pack
Min. 1, Multiple 1

How To Order

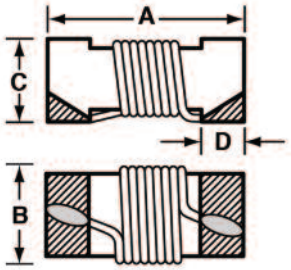
By QPL / MIL / P/N:

M 8 3 4 4 6 / 3 6	- 0 6	A	G	M	T
M83446/36 Series	MIL Dash # (per table)	Termination Finish A = Gold over Nickel (solderable/weldable) B = Not Available C = Not Available	Inductance Tolerance G = 2% J = 5% K = 10%	Product Level M = General Purpose Military Applications T = Critical Military Applications	Packaging Option T=Tape & Reel W=Waffle Pack

DELEVAN™
A REGAL REXNORD BRAND

SERIES S0603

Hi-Rel Surface Mount Chip Inductors



Actual Size (Max.)

Physical Parameters

	Inches	Millimeters
A	0.058 - 0.062	1.473 -1.575
B	0.028 - 0.035	0.711 - 0.889
C	0.040 Max.	1.016 Max.
D	0.011 - 0.010	0.279 - 0.381

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient +35°C Rise

Insulation Resistance at 100 Vdc 1000 Mohm Min.

Dielectric Withstanding Voltage (DWV) 200 Vrms.

Core Material / Termination

Al_2O_3 / Sintered MoMn / Electroplated Ni / Electroplated Au Finish (RoHS)
Termination Options: Au Finish (RoHS)

Electrical Characteristics Measured at +25°C

Outgassing Compliant Per; MIL-STD-883 Method 5011 and NASA-RP-1124 ASTM E595

DASH NUMBER*	INDUCTANCE (nH) ±5%	Q MINIMUM	INDUCTANCE & Q TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES S0603						
-3N3	3.3	18	250	6000	0.100	700
-5N6	5.6	18	250	5800	0.190	700
-8N2	8.2	24	250	4800	0.150	700
-10N	10.0	28	250	4800	0.160	700
-15N	15.0	32	250	4000	0.200	700
-22N	22.0	35	250	3000	0.220	700
-33N	33.0	37	250	2300	0.250	600
-39N	39.0	37	250	2200	0.280	600
-47N	47.0	35	200	2000	0.310	600
-56N	56.0	35	200	1900	0.340	600
-68N	68.0	34	200	1700	0.370	600
-82N	82.0	34	150	1700	0.570	400
-101N	100.0	31	150	1400	0.610	400
-151N	150.0	29	100	1300	0.980	280
-221N	220.0	22	100	1200	1.700	250
-271N	270.0	22	100	900	2.200	200

Inductance Tolerance Options
M (± 20%), K (± 10%), J (± 5%), H (± 3%), G (± 2%), F (± 1%)

S0402 Test Plan Advantages
- Provides multiple screening alternatives
- Eliminates necessity for SCD's
- Provides quicker delivery
- Reduces overall costs

Manufactured in Cleanroom
- ISO 7 (@0.5 micron) Air Cleaniless Classification
- Room Pressurization
- Air Change Rate
- HEPA Filter Leak Testing

How To Order:

S0603 -101N J 1 C Z
(A) (B) (C) (D) (E) (F)

(A) Inductor Series (S0603)
(B) Inductance Value (-3N3 through -271N)
(C) Inductance Tolerance (M, K, J, H, G, F)
(D) Termination Finish (1 = Au Finish (RoHS))
(E) Test Plan Screening (S, C, B, D, E, U, Y)
(F) Test Report (Blank = Pass/Fail Report)
(Z = Serialized Test Report)

S0603 Test Plan Options

Ordering Option Code		S	C	B	D	E	U	Y
Screening Level		MIL-STD-981 Class "S"	MIL-STD-981 Class "S" Modified	MIL-STD-981 Class "B"	MIL-STD-981 Class "B" Modified	High Temp	Burn-In	Commercial
Test	Method							
Thermal Shock	MIL-PRF-83446	25 Cycles 1/ (-55°C to +125°C)	25 Cycles (-55°C to +125°C)	25 Cycles 1/ (-55°C to +125°C)	25 Cycles (-55°C to +125°C)	5 Cycles (-55°C to +175°C)		
No-Load Burn-In	MIL-STD-981	125°C (96 hours)	125°C (96 hours)	125°C (96 hours)	125°C (96 hours)	200°C (96 hours)	•	
Dielectric Withstanding Voltage	MIL-PRF-83446	200 Vrms		200 Vrms				
Insulation Resistance	MIL-PRF-83446	1000 Mohms		1000 Mohms				
Electrical Characteristics: L, Q, DCR, SRF	MIL-PRF-83446	•	•	•	•	•	•	•
Radiographic Inspection	MIL-STD-981	•						
Visual & Dimensional Examination (external)	MIL-PRF-83446	•	•	•	•	•	•	•
* Electrical Characteristics (initial): L, Q, DCR, SRF	MIL-PRF-83446	•	•					
* Low Temperature Operation	MIL-PRF-83446	•	•					
* Temperature Rise	MIL-PRF-83446	•				•		
* Overload	MIL-PRF-83446	•	•			•		
* Moisture Resistance	MIL-PRF-83446	•						
* Electrical Characteristics: L and Q	MIL-PRF-83446	•	•					
* High Temperature Exposure	MIL-PRF-83446	•	•					
* Electrical Characteristics (final)	MIL-PRF-83446	•	•					
* Bond Strength	MIL-PRF-83446	•	•					
* Visual & Mechanical Examination (external)	MIL-PRF-83446	•	•					
* Visual & Mechanical Examination (internal)	MIL-STD-981	•						
* Solderability	MIL-PRF-83446	•	•					
* Electrical Characteristics (initial): L, Q, DCR, SRF	MIL-PRF-83446	•	•					
* Life	MIL-PRF-83446	2000 Hours (90°C Ambient)	500 Hours (90°C Ambient)			500 Hours (175°C Ambient)		
* Dielectric Withstanding Voltage	MIL-PRF-83446	80 Vrms	80 Vrms					
* Insulation Resistance	MIL-PRF-83446	1000 Mohms	1000 Mohms					
* Electrical Characteristics (final): L, Q, DCR, SRF	MIL-PRF-83446	•	•					
* Visual & Mechanical Examination (external)	MIL-PRF-83446	•	•					
Mechanical Shock/Vibration	MIL-STD-883					•		

*Destructive Test Units Required

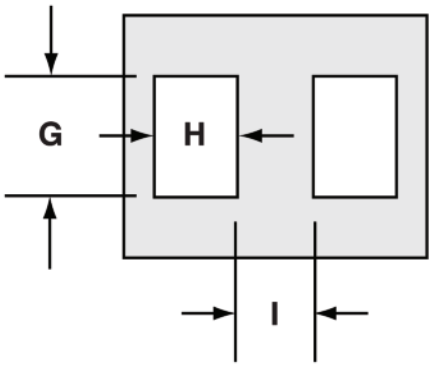
1/ Continually monitor continuity during the entire final cycle to verify no intermittent conditions.

DELEVAN™
A REGAL REXNORD BRAND

SERIES S0603

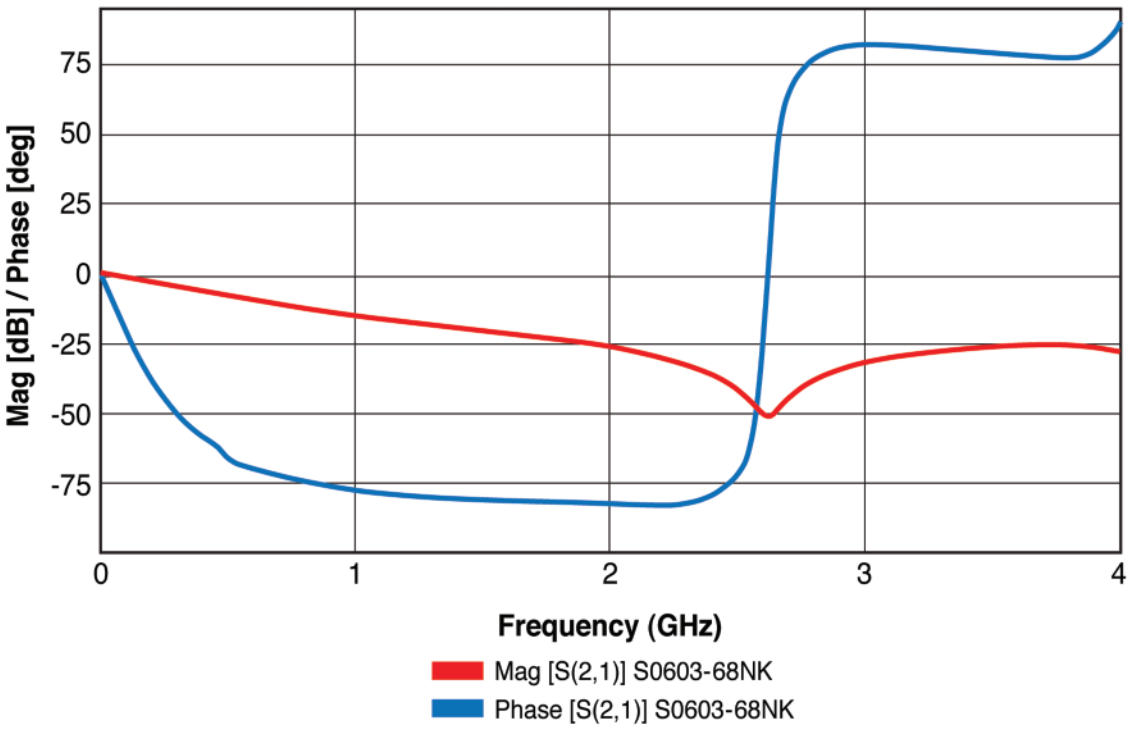
Hi-Rel Surface Mount
Chip Inductors

Suggested Land Patterns



Delevan Series	G		H		I	
	Inches	mm	Inches	mm	Inches	mm
S0603 Series	0.040	1.016	0.025	0.635	0.025	0.635

S-Parameters (Typical)



270 Quaker Rd., East Aurora NY 14052 • Phone 716-652-3600 • Fax 716-652-4814 • E-mail: Delevan.Sales@regalrexnord.com • www.delevan.com

DELEVAN™
A REGAL REXNORD BRAND

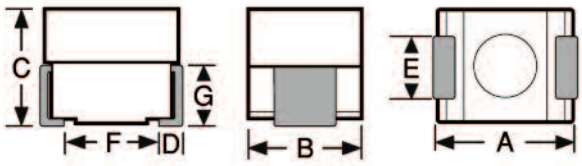
SERIES 1008R 1008

RoHS Compliant

Traditional First Quality

Unshielded Surface Mount Inductors

Actual Size



Physical Parameters

	Inches	Millimeters
A	0.095 to 0.115	2.41 to 2.92
B	0.085 to 0.105	2.16 to 2.66
C	0.075 to 0.095	1.91 to 2.41
D	0.010 to 0.030	0.26 to 0.76
E	0.040 to 0.060	1.02 to 1.52
F	0.060 (Ref. only)	1.52 (Ref. only)
G	0.045 (Ref. only)	1.14 (Ref. only)

Dimensions “A” and “C” are over terminals.

Weight Max. (Grams) 0.1

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°CRise

Maximum Power Dissipation at 90°C
Phenolic: 0.169 W
Ferrite: 0.208 W

Marking Delevan; dash number; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 1008R-181J
DELEVAN
181
R 1803A

Packaging Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 7000 pieces max.

Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (µH)	TOLERANCE	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 1008 PHENOLIC CORE							
-018M	0.0018	±20%	40	50	2700	0.050	1562
-022M	0.0022	±20%	40	50	2700	0.050	1562
-027M	0.0027	±20%	40	50	2700	0.050	1562
-033M	0.0033	±20%	40	50	2700	0.050	1562
-039M	0.0039	±20%	40	50	2700	0.050	1562
-047M	0.0047	±20%	40	50	2700	0.050	1562
-056M	0.0056	±20%	40	50	2700	0.050	1562
-068M	0.0068	±20%	40	50	2700	0.050	1562
-082M	0.0082	±20%	40	50	2700	0.050	1562
-100K	0.010	±10%	40	50	2700	0.050	1562
-120K	0.012	±10%	40	50	2450	0.058	1450
-150K	0.015	±10%	40	50	2200	0.064	1381
-180K	0.018	±10%	40	50	2000	0.070	1320
-220K	0.022	±10%	35	50	1800	0.080	1235
-270K	0.027	±10%	35	50	1625	0.090	1164
-330K	0.033	±10%	30	50	1450	0.100	1105
-390K	0.039	±10%	30	50	1335	0.110	1053
-470K	0.047	±10%	30	50	1220	0.120	1008
-560K	0.056	±10%	25	50	1110	0.170	847
-680K	0.068	±10%	25	50	1000	0.180	823
-820K	0.082	±10%	25	50	915	0.190	801
-101K	0.100	±10%	15	25	550	0.230	728
SERIES 1008 FERRITE CORE							
-121K	0.12	±10%	40	25	750	0.100	1225
-151K	0.15	±10%	40	25	650	0.110	1168
-181K	0.18	±10%	40	25	550	0.120	1119
-221K	0.22	±10%	40	25	450	0.135	1055
-271K	0.27	±10%	40	25	375	0.150	1000
-331K	0.33	±10%	40	25	300	0.165	954
-391K	0.39	±10%	40	25	250	0.180	913
-471K	0.47	±10%	40	25	215	0.210	846
-561K	0.56	±10%	40	25	195	0.230	808
-681K	0.68	±10%	40	25	175	0.260	760
-821K	0.82	±10%	40	25	140	0.300	708
-102J	1.0	±5%	30	7.9	125	0.320	685
-122J	1.2	±5%	30	7.9	100	0.430	591
-152J	1.5	±5%	30	7.9	92	0.500	548
-182J	1.8	±5%	30	7.9	76	0.720	457
-222J	2.2	±5%	30	7.9	70	0.800	433
-272J	2.7	±5%	30	7.9	62	0.880	413
-332J	3.3	±5%	30	7.9	60	0.950	398
-392J	3.9	±5%	30	7.9	57	1.20	354
-472J	4.7	±5%	30	7.9	47	1.35	334
-562J	5.6	±5%	30	7.9	44	1.54	312
-682J	6.8	±5%	30	7.9	35	2.00	274
-822J	8.2	±5%	30	7.9	33	2.16	264
-103J	10	±5%	30	7.9	28	2.50	245
-123J	12	±5%	30	2.5	24	3.50	207
-153J	15	±5%	30	2.5	21	4.00	194
-183J	18	±5%	30	2.5	19	5.00	173
-223J	22	±5%	30	2.5	17	6.00	158
-273J	27	±5%	30	2.5	15	7.00	146
-333J	33	±5%	30	2.5	13	8.00	135
-393J	39	±5%	30	2.5	12	9.00	125
-473J	47	±5%	30	2.5	11	10.00	120

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DELEVAN™
A REGAL REXNORD BRAND

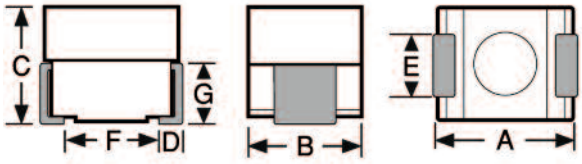
SERIES HF1008R HF1008

RoHS Compliant

Traditional First Quality

Unshielded Surface Mount Inductors

Actual Size



Physical Parameters

	Inches	Millimeters
A	0.095 to 0.115	2.41 to 2.92
B	0.085 to 0.105	2.16 to 2.66
C	0.075 to 0.095	1.91 to 2.41
D	0.010 to 0.030	0.26 to 0.76
E	0.040 to 0.060	1.02 to 1.52
F	0.060 (Ref. only)	1.52 (Ref. only)
G	0.045 (Ref. only)	1.14 (Ref. only)

Dimensions “A” and “C” are over terminals.

Weight Max. (Grams) 0.1

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C
Non-magnetic: 0.169 W
Ferrite: 0.208 W
Note Consult factory for custom applications

Marking DELEVAN; dash number followed by HF; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: HF1008-471K
DELEVAN
471 HF
1825A

Packaging Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 7000 pieces max.

Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (nH)	TOLERANCE	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES HF1008 NON-MAGNETIC CORE							
-047M	4.7	±20%	40	50	>3000	0.070	1320
-082M	8.2	±20%	40	50	>3000	0.075	1275
-100M	10.0	±20%	30	50	>3000	0.080	1235
-120M	12.0	±20%	30	50	2700	0.105	1075
-150M	15.0	±20%	30	50	2400	0.110	1053
-180M	18.0	±20%	30	50	2250	0.130	965
-220M	22.0	±20%	30	50	2000	0.135	950
-270M	27.0	±20%	30	50	1800	0.140	930
-330M	33.0	±20%	30	50	1600	0.150	900
-390M	39.0	±20%	30	50	1500	0.160	870
-470M	47.0	±20%	30	50	1350	0.170	847
-560K	56.0	±10%	20	50	1200	0.370	570
-680K	68.0	±10%	20	50	1050	0.400	550
-820K	82.0	±10%	15	50	1000	0.800	390
-101K	100	±10%	15	25	900	0.850	375
SERIES HF1008 FERRITE CORE							
-121K	120	±10%	30	25	850	0.910	405
-151K	150	±10%	30	25	800	0.950	395
-181K	180	±10%	30	25	700	1.05	375
-221K	220	±10%	30	25	600	1.15	360
-271K	270	±10%	30	25	550	1.25	345
-331K	330	±10%	30	25	500	1.35	330
-391K	390	±10%	30	25	465	1.45	320
-471K	470	±10%	30	25	425	1.55	310
-561K	560	±10%	30	25	415	1.65	300
-621K	620	±10%	30	25	375	1.75	290
-681K	680	±10%	30	25	340	1.85	280
-751K	750	±10%	30	25	330	1.95	275
-821K	820	±10%	30	25	325	2.00	273
-911K	910	±10%	30	25	305	2.05	270
-102K	1000	±10%	30	25	290	1.40	325
-122K	1200	±10%	30	7.9	200	1.45	320
-152K	1500	±10%	30	7.9	165	1.50	315
-182K	1800	±10%	30	7.9	150	1.60	305
-222K	2200	±10%	30	7.9	120	1.65	300
-272K	2700	±10%	30	7.9	110	1.80	285
-332K	3300	±10%	30	7.9	60	1.90	280
-392K	3900	±10%	30	7.9	50	1.95	275
-472K	4700	±10%	30	7.9	40	2.00	273

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

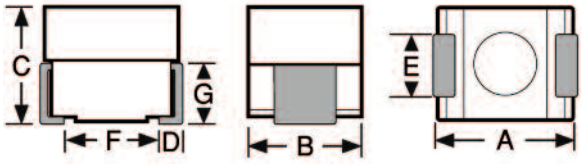
SERIES S1008R S1008

RoHS Compliant

Traditional First Quality

Shielded Surface Mount Inductors

Actual Size



Physical Parameters

	Inches	Millimeters
A	0.095 to 0.115	2.41 to 2.92
B	0.085 to 0.105	2.16 to 2.66
C	0.075 to 0.095	1.91 to 2.41
D	0.010 to 0.030	0.26 to 0.76
E	0.040 to 0.060	1.02 to 1.52
F	0.060 (Ref. only)	1.52 (Ref. only)
G	0.045 (Ref. only)	1.14 (Ref. only)

Dimensions “A” and “C” are over terminals.

Weight Max. (Grams) 0.1

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.157 W

Marking Delevan; dash number followed by an S; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: S1008-472K
DELEVAN
472 S
1812A

Packaging Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 7000 pieces max.

Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES S1008 FERRITE CORE						
-101K	0.10	40	25	383	0.09	1120
-121K	0.12	40	25	368	0.10	1060
-151K	0.15	40	25	353	0.11	1015
-181K	0.18	40	25	338	0.12	970
-221K	0.22	40	25	323	0.13	930
-271K	0.27	40	25	308	0.14	900
-331K	0.33	40	25	293	0.15	865
-391K	0.39	40	25	278	0.16	840
-471K	0.47	40	25	255	0.17	815
-561K	0.56	40	25	232	0.18	790
-621K	0.62	40	25	200	0.19	770
-681K	0.68	40	25	186	0.20	750
-751K	0.75	40	25	163	0.21	735
-821K	0.82	40	25	140	0.22	715
-911K	0.91	40	25	130	0.24	685
-102K	1.0	30	7.9	120	0.25	670
-122K	1.2	30	7.9	95	0.29	625
-152K	1.5	30	7.9	72	0.42	545
-182K	1.8	30	7.9	66	0.60	435
-222K	2.2	30	7.9	60	0.80	375
-272K	2.7	30	7.9	55	0.85	365
-332K	3.3	30	7.9	50	0.90	355
-392K	3.9	30	7.9	45	1.00	335
-472K	4.7	30	7.9	42	1.20	305
-562K	5.6	30	7.9	40	1.30	295
-682K	6.8	30	7.9	38	1.80	250
-822K	8.2	30	7.9	32	1.90	240
-103K	10	30	7.9	29	2.10	230
-123K	12	30	2.5	28	3.50	220
-153K	15	30	2.5	25	4.00	210
-183K	18	30	2.5	21	5.00	200
-223K	22	30	2.5	18	6.00	170
-273K	27	30	2.5	15	7.00	160
-333K	33	30	2.5	12	7.40	125
-393K	39	30	2.5	10	8.00	120
-473K	47	30	2.5	8	9.00	110

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

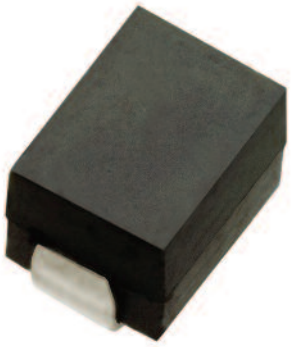
*Complete part # must include series # PLUS the dash #

SERIES 1210R 1210

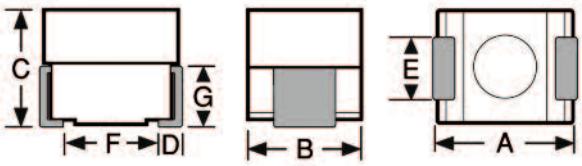
RoHS Compliant

Traditional First Quality

Surface Mount Inductors



Actual Size



Physical Parameters

	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.67
C	0.081 to 0.101	2.06 to 2.57
D	0.016 (Min.)	0.41 (Min.)
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref. only)	1.78 (Ref. only)
G	0.054 (Ref. only)	1.37 (Ref. only)

Dimensions “A” and “C” are over terminals

Weight Max. (Grams) 0.1

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C Ambient
Phenolic: 0.168 W
Iron: 0.287 W
Ferrite: 0.287 W

****Note** Self Resonant Frequency (SRF) values are calculated and for reference only.

Marking Delevan; dash number; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 1210-018M
DELEVAN
018
1822C

Packaging Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 7000 pieces max.

Made In the U.S.A.

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DASH NUMBER*	INDUCTANCE (µH)	TOLERANCE	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)**	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 1210 PHENOLIC CORE							
-018M	0.0018	± 20%	40	50.0	2700**	0.050	1562
-022M	0.0022	± 20%	40	50.0	2700**	0.050	1562
-027M	0.0027	± 20%	40	50.0	2700**	0.050	1562
-033M	0.0033	± 20%	40	50.0	2700**	0.050	1562
-039M	0.0039	± 20%	40	50.0	2700**	0.050	1562
-047M	0.0047	± 20%	40	50.0	2700**	0.050	1562
-056M	0.0056	± 20%	40	50.0	2700**	0.050	1562
-068M	0.0068	± 20%	40	50.0	2700**	0.050	1562
-082M	0.0082	± 20%	40	50.0	2700**	0.050	1562
-100K	0.010	± 10%	30	50.0	2000**	0.13	966
-120K	0.012	± 10%	30	50.0	1850**	0.14	931
-150K	0.015	± 10%	30	50.0	1700**	0.16	871
-180K	0.018	± 10%	30	50.0	1550**	0.18	821
-220K	0.022	± 10%	30	50.0	1300**	0.20	779
-270K	0.027	± 10%	30	50.0	1150**	0.22	743
-330K	0.033	± 10%	30	50.0	1000**	0.24	711
-390K	0.039	± 10%	30	50.0	900**	0.27	670
-470K	0.047	± 10%	30	50.0	800**	0.30	636
-560K	0.056	± 10%	30	50.0	750**	0.33	606
-680K	0.068	± 10%	30	50.0	700**	0.36	580
-820K	0.082	± 10%	30	50.0	625**	0.40	551
SERIES 1210 IRON CORE							
-101K	0.10	± 10%	30	25.0	550	0.20	1018
-121K	0.12	± 10%	30	25.0	500	0.22	971
-151K	0.15	± 10%	30	25.0	450	0.25	910
-181K	0.18	± 10%	30	25.0	400	0.28	860
-221K	0.22	± 10%	30	25.0	350	0.32	805
-271K	0.27	± 10%	30	25.0	320	0.36	759
-331K	0.33	± 10%	30	25.0	300	0.40	720
-391K	0.39	± 10%	30	25.0	250	0.45	679
-471K	0.47	± 10%	30	25.0	220	0.50	644
-561K	0.56	± 10%	30	25.0	180	0.55	614
-681K	0.68	± 10%	30	25.0	160	0.60	588
-821K	0.82	± 10%	30	25.0	140	0.67	556
SERIES 1210 FERRITE CORE							
-102J	1.0	± 5%	30	7.9	120	0.70	515
-122J	1.2	± 5%	30	7.9	100	0.75	497
-152J	1.5	± 5%	30	7.9	85	0.85	467
-182J	1.8	± 5%	30	7.9	75	0.90	454
-222J	2.2	± 5%	30	7.9	70	1.0	431
-272J	2.7	± 5%	30	7.9	65	1.1	411
-332J	3.3	± 5%	30	7.9	58	1.2	393
-392J	3.9	± 5%	30	7.9	50	1.3	378
-472J	4.7	± 5%	30	7.9	45	1.5	352
-562J	5.6	± 5%	30	7.9	42	1.6	341
-682J	6.8	± 5%	30	7.9	40	1.8	321
-822J	8.2	± 5%	30	7.9	35	2.0	305
-103J	10	± 5%	30	7.9	30	2.1	297
-123J	12	± 5%	30	2.5	28	2.5	272
-153J	15	± 5%	30	2.5	25	2.8	257
-183J	18	± 5%	30	2.5	23	3.3	237
-223J	22	± 5%	30	2.5	20	3.7	224
-273J	27	± 5%	30	2.5	18	5.0	193
-333J	33	± 5%	30	2.5	15	5.6	182
-393J	39	± 5%	30	2.5	14	6.4	170
-473J	47	± 5%	30	2.5	13	7.0	163
-563J	56	± 5%	30	2.5	11	8.0	152
-683J	68	± 5%	30	2.5	10	9.0	144
-823J	82	± 5%	30	2.5	9	10.0	136
-104J	100	± 5%	30	2.5	8	13.0	120

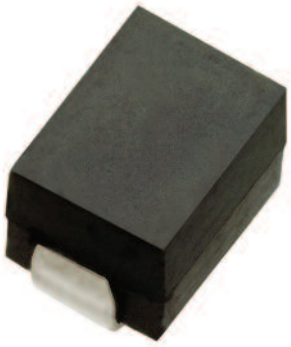
DELEVAN™
A REGAL REXNORD BRAND

SERIES S1210R S1210

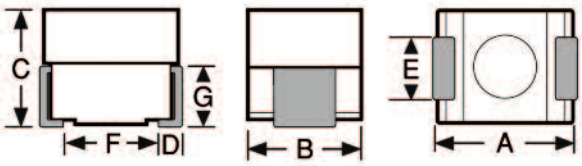
RoHS Compliant

Traditional First Quality

Shielded Surface Mount Inductors



Actual Size



Physical Parameters

	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.66
C	0.081 to 0.101	2.06 to 2.57
D	0.016 Min.	0.41 Min.
E	0.041 to .061	1.04 to 1.55
F	0.070 (Ref. only)	1.78 (Ref. only)
G	0.054 (Ref. only)	1.37 (Ref. only)

Dimensions “A” and “C” are over terminals.

Weight Max. (Grams) 0.1

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C
Iron: 0.266 W
Ferrite: 0.224 W

Marking Delevan; dash number followed by an S; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: S1210R-471K
DELEVAN
471 S
R 1812B

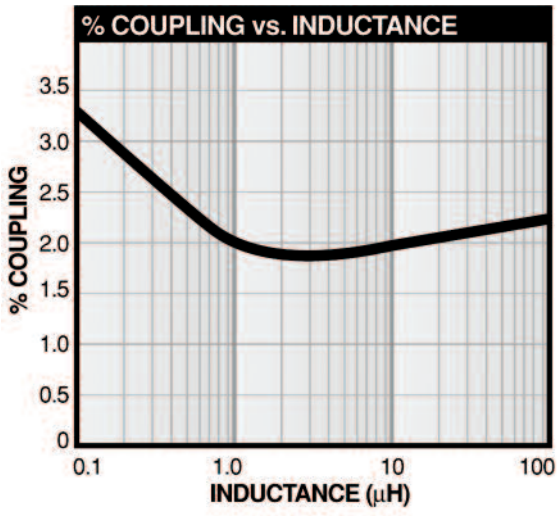
Packaging Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 7000 pieces max.

Made In the U.S.A.

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%
*Complete part # must include series # PLUS the dash #

DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES S1210 IRON CORE						
-101K	0.10	40	25	375	0.15	1131
-121K	0.12	40	25	350	0.17	1062
-151K	0.15	40	25	330	0.20	979
-181K	0.18	40	25	310	0.22	934
-221K	0.22	40	25	300	0.25	876
-271K	0.27	40	25	290	0.30	800
-331K	0.33	40	25	255	0.35	740
-391K	0.39	40	25	230	0.40	692
-471K	0.47	40	25	220	0.45	653
-561K	0.56	40	25	200	0.50	619
-681K	0.68	40	25	180	0.55	590
-821K	0.82	40	25	170	0.60	565
SERIES S1210 FERRITE CORE						
-102K	1.0	40	7.9	140	0.40	635
-122K	1.2	40	7.9	120	0.49	574
-152K	1.5	40	7.9	110	0.57	532
-182K	1.8	40	7.9	95	0.65	498
-222K	2.2	40	7.9	80	0.73	470
-272K	2.7	40	7.9	70	0.75	464
-332K	3.3	40	7.9	45	0.80	449
-392K	3.9	40	7.9	42	0.83	441
-472K	4.7	40	7.9	40	1.00	402
-562K	5.6	40	7.9	38	1.30	352
-682K	6.8	40	7.9	35	1.50	328
-822K	8.2	40	7.9	32	1.70	308
-103K	10.0	40	2.5	28	1.90	291
-123K	12.0	40	2.5	25	2.10	277
-153K	15.0	40	2.5	23	2.50	254
-183K	18.0	40	2.5	21	2.80	240
-223K	22.0	40	2.5	19	3.00	232
-273K	27.0	40	2.5	16	4.00	201
-333K	33.0	40	2.5	14	4.50	189
-393K	39.0	40	2.5	12	5.00	179
-473K	47.0	40	2.5	10	5.50	171
-563K	56.0	40	2.5	8	6.30	160
-683K	68.0	40	2.5	8	7.00	152
-823K	82.0	40	2.5	8	8.50	137
-104K	100.0	40	2.5	8	10.00	127

For more detailed graphs, contact factory



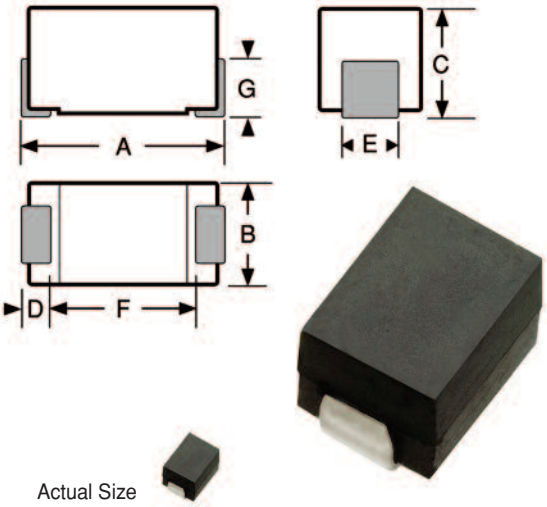
DELEVAN™
A REGAL REXNORD BRAND

SERIES 1330R 1330

RoHS Compliant

Traditional First Quality

Unshielded Surface Mount Inductors



Actual Size

Physical Parameters

	Inches	Millimeters
A	0.300 to 0.325	7.62 to 8.26
B	0.105 to 0.125	2.67 to 3.18
C	0.125 to 0.145	3.18 to 3.68
D	0.020 Min.	0.508 Min.
E	0.040 to 0.060	1.02 to 1.52
F	0.190 (Ref. only)	4.83 (Ref. only)
G	0.070 (Ref. only)	1.78 (Ref. only)

Weight Max (Grams) 0.30

Operating Temperature Range
Phenolic: –55°C to +125°C
Iron and Ferrite: –55°C to +105°C

Current Rating at 90°C Ambient
Phenolic: 35°C Rise
Iron and Ferrite: 15°C Rise

Maximum Power Dissipation at 90°C Ambient
Phenolic: 0.210 W
Iron: 0.090 W
Ferrite: 0.073 W

Marking Delevan; dash number; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 1330-42K
DELEVAN
42
1818A

Packaging Tape & reel (16mm): 7" reel, 500 pieces max.; 13" reel, 2200 pieces max.

Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 1330 PHENOLIC CORE						
-94K	0.10	40	25.0	680.0	0.08	1380
-96K	0.12	40	25.0	640.0	0.09	1300
-00K	0.15	38	25.0	600.0	0.10	1230
-02K	0.18	35	25.0	550.0	0.12	1120
-04K	0.22	33	25.0	510.0	0.14	1040
-06K	0.27	33	25.0	430.0	0.16	975
-08K	0.33	30	25.0	410.0	0.22	830
-10K	0.39	30	25.0	365.0	0.30	710
-12K	0.47	30	25.0	330.0	0.35	660
-14K	0.56	30	25.0	300.0	0.50	550
-16K	0.68	28	25.0	275.0	0.60	500
-18K	0.82	28	25.0	250.0	0.85	420
-20K	1.00	25	25.0	230.0	1.00	390
SERIES 1330 IRON CORE						
-22K	1.20	25	7.9	150.0	0.18	620
-24K	1.50	28	7.9	140.0	0.22	560
-26K	1.80	30	7.9	125.0	0.30	480
-28K	2.20	30	7.9	115.0	0.40	415
-30K	2.70	37	7.9	100.0	0.55	355
-32K	3.30	45	7.9	90.0	0.85	285
-34K	3.90	45	7.9	80.0	1.00	263
-36K	4.70	45	7.9	75.0	1.20	239
-38K	5.60	50	7.9	65.0	1.80	195
-40K	6.80	50	7.9	60.0	2.00	185
-42K	8.20	55	7.9	55.0	2.70	160
-44K	10.00	55	7.9	50.0	3.30	144
-46K	12.0	45	2.5	40.0	2.70	160
-48K	15.0	45	2.5	35.0	2.80	157
-50K	18.0	45	2.5	30.0	3.10	149
-52K	22.0	45	2.5	25.0	3.30	144
-54K	27.0	45	2.5	20.0	3.50	140
SERIES 1330 FERRITE CORE						
-56K	33.0	35	2.5	24.0	3.40	130
-58K	39.0	35	2.5	22.0	3.60	125
-60K	47.0	35	2.5	20.0	4.50	110
-62K	56.0	35	2.5	18.0	5.70	100
-64K	68.0	35	2.5	15.0	6.70	92
-66K	82.0	35	2.5	14.0	7.30	88
-68K	100.0	35	2.5	13.0	8.00	84
-70K	120.0	30	0.79	12.0	13.00	66
-72K	150.0	30	0.79	11.0	15.00	61
-74K	180.0	30	0.79	10.0	17.00	57
-76K	220.0	30	0.79	9.0	21.00	52
-78K	270.0	30	0.79	8.0	25.00	47
-80K	330.0	30	0.79	7.0	28.00	45
-82K	390.0	30	0.79	6.5	35.00	40
-84K	470.0	30	0.79	6.0	42.00	36
-86K	560.0	30	0.79	5.0	46.00	35
-88K	680.0	30	0.79	4.2	60.00	30
-90K	820.0	30	0.79	3.8	65.00	29
-92K	1000.0	30	0.79	3.4	72.00	28

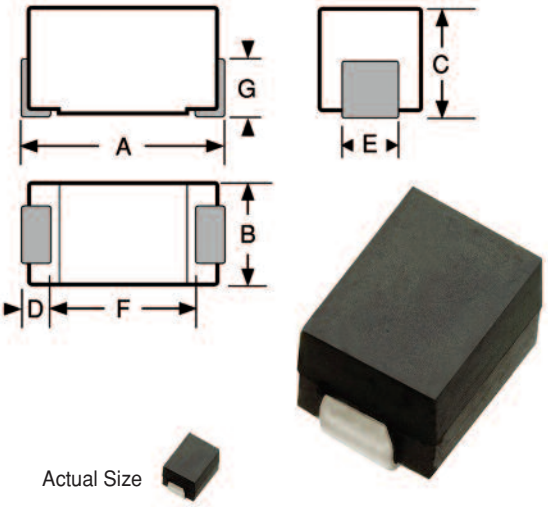
Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

SERIES MIL1330

Unshielded Surface Mount Inductors



Military QPL Approval
M83446/31 Phenolic Core
M8344632 Iron Core
M83446/33 Ferrite Core

† Ordering Note Military parts must be ordered to the M83446/ part number

Physical Parameters

	Inches	Millimeters
A	0.300 to 0.325	7.62 to 8.26
B	0.105 to 0.125	2.67 to 3.18
C	0.125 to 0.145	3.18 to 3.68
D	0.020 Min.	0.508 Min.
E	0.040 to 0.060	1.02 to 1.52
F	0.190 (Ref. only)	4.83 (Ref. only)
G	0.070 (Ref. only)	1.78 (Ref. only)

Weight Max (Grams) 0.30

Operating Temperature Range
Phenolic: –55°C to +125°C
Iron and Ferrite: –55°C to +105°C

Current Rating at 90°C Ambient
Phenolic: 35°C Rise
Iron and Ferrite: 15°C Rise

Maximum Power Dissipation at 90°C Ambient
Phenolic: 0.210 W
Iron: 0.090 W
Ferrite: 0.073 W

Marking Delevan; dash number; date code (YYWWL) followed by M.
Example: MIL1330-42K
DELEVAN
42
1801A M

Packaging Tape & reel (16mm): 7" reel, 500 pieces max.; 13" reel, 2200 pieces max.

Made In the U.S.A.

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
M83446/31 – SERIES MIL1330 PHENOLIC CORE							
-94K	01F	0.10	40	25.0	680.0	0.08	1380
-96K	02F	0.12	40	25.0	640.0	0.09	1300
-00K	03F	0.15	38	25.0	600.0	0.10	1230
-02K	04F	0.18	35	25.0	550.0	0.12	1120
-04K	05F	0.22	33	25.0	510.0	0.14	1040
-06K	06F	0.27	33	25.0	430.0	0.16	975
-08K	07F	0.33	30	25.0	410.0	0.22	830
-10K	08F	0.39	30	25.0	365.0	0.30	710
-12K	09F	0.47	30	25.0	330.0	0.35	660
-14K	10F	0.56	30	25.0	300.0	0.50	550
-16K	11F	0.68	28	25.0	275.0	0.60	500
-18K	12F	0.82	28	25.0	250.0	0.85	420
-20K	13F	1.00	25	25.0	230.0	1.00	390
M83446/32 – SERIES MIL1330 IRON CORE							
-22K	01F	1.20	25	7.9	150.0	0.18	620
-24K	02F	1.50	28	7.9	140.0	0.22	560
-26K	03F	1.80	30	7.9	125.0	0.30	480
-28K	04F	2.20	30	7.9	115.0	0.40	415
-30K	05F	2.70	37	7.9	100.0	0.55	355
-32K	06F	3.30	45	7.9	90.0	0.85	285
-34K	07F	3.90	45	7.9	80.0	1.00	263
-36K	08F	4.70	45	7.9	75.0	1.20	239
-38K	09F	5.60	50	7.9	65.0	1.80	195
-40K	10F	6.80	50	7.9	60.0	2.00	185
-42K	11F	8.20	55	7.9	55.0	2.70	160
-44K	12F	10.00	55	7.9	50.0	3.30	144
-46K	13F	12.0	45	2.5	40.0	2.70	160
-48K	14F	15.0	45	2.5	35.0	2.80	157
-50K	15F	18.0	45	2.5	30.0	3.10	149
-52K	16F	22.0	45	2.5	25.0	3.30	144
-54K	17F	27.0	45	2.5	20.0	3.50	140
M83446/33 – SERIES MIL1330 FERRITE CORE							
-56K	01F	33.0	35	2.5	24.0	3.40	130
-58K	02F	39.0	35	2.5	22.0	3.60	125
-60K	03F	47.0	35	2.5	20.0	4.50	110
-62K	04F	56.0	35	2.5	18.0	5.70	100
-64K	05F	68.0	35	2.5	15.0	6.70	92
-66K	06F	82.0	35	2.5	14.0	7.30	88
-68K	07F	100.0	35	2.5	13.0	8.00	84
-70K	08F	120.0	30	0.79	12.0	13.00	66
-72K	09F	150.0	30	0.79	11.0	15.00	61
-74K	10F	180.0	30	0.79	10.0	17.00	57
-76K	11F	220.0	30	0.79	9.0	21.00	52
-78K	12F	270.0	30	0.79	8.0	25.00	47
-80K	13F	330.0	30	0.79	7.0	28.00	45
-82K	14F	390.0	30	0.79	6.5	35.00	40
-84K	15F	470.0	30	0.79	6.0	42.00	36
-86K	16F	560.0	30	0.79	5.0	46.00	35
-88K	17F	680.0	30	0.79	4.2	60.00	30
-90K	18F	820.0	30	0.79	3.8	65.00	29
-92K	19F	1000.0	30	0.79	3.4	72.00	28

Parts listed above are QPL/MIL qualified

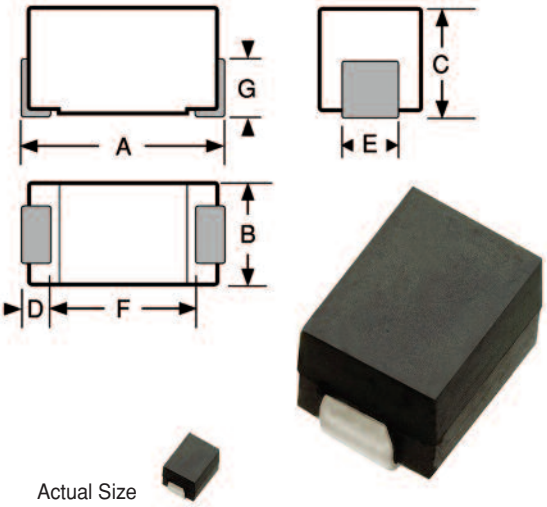
*Complete part # must include series # PLUS the dash #

SERIES 1331R 1331

RoHS Compliant

Traditional First Quality

Shielded Surface Mount Inductors



Actual Size

Physical Parameters

	Inches	Millimeters
A	0.300 to 0.325	7.62 to 8.26
B	0.105 to 0.125	2.67 to 3.18
C	0.125 to 0.145	3.18 to 3.68
D	0.020 Min.	0.508 Min.
E	0.040 to 0.060	1.02 to 1.52
F	0.190 (Ref. only)	4.83 (Ref. only)
G	0.070 (Ref. only)	1.78 (Ref. only)

Dimensions “A” and “C” are over terminations

Weight Max (Grams) 0.30

Operating Temperature Range –55°C to +105°C

Current Rating at 90°C Ambient 15°C Rise

Maximum Power Dissipation at 90°C 0.585 W

Incremental Current Current level which causes a maximum of 5% decrease in inductance.

Coupling 3% Max.

****Note** Self Resonant Frequency (SRF) values for -101K to -331K are calculated and for reference only.

Marking Delevan; dash number followed by an S; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 1331R-683K
DELEVAN
683 S
R 0719B

Packaging Tape & reel (16mm): 7" reel, 500 pieces max.; 13" reel, 2200 pieces max.

Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)**	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)	INCREMENTAL CURRENT (mA)
SERIES 1331 IRON CORE - IRON SLEEVE							
-101K	0.10	45	25.0	490.0**	0.10	670	670
-121K	0.12	45	25.0	430.0**	0.11	635	635
-151K	0.15	45	25.0	415.0**	0.12	610	610
-181K	0.18	45	25.0	375.0**	0.13	585	585
-221K	0.22	45	25.0	330.0**	0.15	545	545
-271K	0.27	45	25.0	300.0**	0.16	530	530
-331K	0.33	44	25.0	260.0**	0.18	495	495
-391K	0.39	42	25.0	230.0	0.19	485	485
-471K	0.47	41	25.0	220.0	0.21	460	460
-561K	0.56	41	25.0	210.0	0.23	440	440
-681K	0.68	39	25.0	180.0	0.24	430	430
-821K	0.82	38	25.0	165.0	0.27	405	405
-102K	1.00	37	25.0	150.0	0.30	385	385
-122K	1.20	40	7.9	130.0	0.73	247	247
-152K	1.50	41	7.9	115.0	0.86	228	228
-182K	1.80	43	7.9	105.0	0.95	217	217
-222K	2.20	45	7.9	95.0	1.10	202	202
-272K	2.70	48	7.9	90.0	1.20	193	193
-332K	3.30	49	7.9	80.0	1.30	185	185
-392K	3.90	50	7.9	75.0	1.50	173	173
-472K	4.70	50	7.9	70.0	2.40	136	136
-562K	5.60	50	7.9	60.0	2.90	124	124
-682K	6.80	50	7.9	55.0	3.20	118	118
-822K	8.20	50	7.9	53.0	3.60	111	111
-103K	10.0	50	7.9	50.0	4.00	106	106
SERIES 1331 IRON CORE - FERRITE SLEEVE							
-123K	12.0	36	2.5	35.0	3.00	122	122
-153K	15.0	38	2.5	30.0	3.40	115	115
-183K	18.0	40	2.5	26.0	3.80	108	108
-223K	22.0	40	2.5	24.0	4.90	96	96
-273K	27.0	40	2.5	21.0	5.80	88	88
-333K	33.0	41	2.5	20.0	6.50	83	83
-393K	39.0	42	2.5	19.0	7.90	75	75
-473K	47.0	44	2.5	16.0	9.30	69	69
-563K	56.0	44	2.5	15.0	11.0	64	64
-683K	68.0	45	2.5	13.0	12.0	61	61
-823K	82.0	45	2.5	11.0	13.0	59	59
-104K	100.0	40	2.5	10.5	16.8	51	51
SERIES 1331 FERRITE CORE - FERRITE SLEEVE							
-124K	120.0	31	0.79	13.0	5.80	88	27
-154K	150.0	33	0.79	12.0	7.90	75	24
-184K	180.0	33	0.79	11.0	9.40	69	22
-224K	220.0	35	0.79	10.0	11.0	64	20
-274K	270.0	35	0.79	9.0	12.0	61	18
-334K	330.0	35	0.79	8.0	16.0	53	16
-394K	390.0	35	0.79	7.8	21.0	46	14
-474K	470.0	35	0.79	7.5	24.0	43	13
-564K	560.0	35	0.79	7.0	28.0	40	12

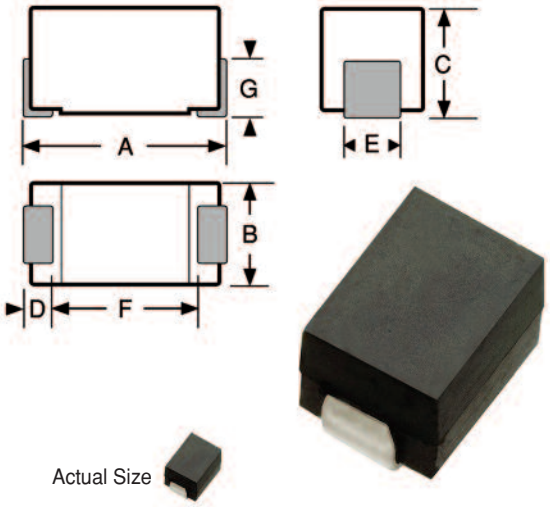
Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

SERIES MIL1331

Shielded Surface Mount Inductors



Military QPL Approval
M83446/34 Iron Core/Iron Sleeve
M8344634 Iron Core/Ferrite Sleeve
M83446/35 Ferrite Core/Ferrite Sleeve

† Ordering Note Military parts must be ordered to the M83446/ part number

Physical Parameters

	Inches	Millimeters
A	0.300 to 0.325	7.62 to 8.26
B	0.105 to 0.125	2.67 to 3.18
C	0.125 to 0.145	3.18 to 3.68
D	0.020 Min.	0.508 Min.
E	0.040 to 0.060	1.02 to 1.52
F	0.190 (Ref. only)	4.83 (Ref. only)
G	0.070 (Ref. only)	1.78 (Ref. only)

Dimensions “A” and “C” are over terminations

Weight Max (Grams) 0.30

Operating Temperature Range –55°C to +105°C

Current Rating at 90°C Ambient 15°C Rise

Maximum Power Dissipation at 90°C 0.585 W

Incremental Current Current level which causes a maximum of 5% decrease in inductance.

Coupling 3% Max.

****Note** Self Resonant Frequency (SRF) values for -101K to -331K are calculated and for reference only.

Marking Delevan; dash number followed by S; date code (YYWWL) followed by M.
Example: MIL1331-683K
DELEVAN
683 S
1809A M

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)**	CURRENT RATING MAXIMUM (mA)	DC RESISTANCE MAXIMUM (OHMS)	INCREMENTAL CURRENT (mA)
SERIES MIL1331 IRON CORE - IRON SLEEVE								
-101K	01F	0.10	45	25.0	490.0**	670	0.10	670
-121K	02F	0.12	45	25.0	430.0**	635	0.11	635
-151K	03F	0.15	45	25.0	415.0**	610	0.12	610
-181K	04F	0.18	45	25.0	375.0**	585	0.13	585
-221K	05F	0.22	45	25.0	330.0**	545	0.15	545
-271K	06F	0.27	45	25.0	300.0**	530	0.16	530
-331K	07F	0.33	44	25.0	260.0**	495	0.18	495
-391K	08F	0.39	42	25.0	230.0	485	0.19	485
-471K	09F	0.47	41	25.0	220.0	460	0.21	460
-561K	10F	0.56	41	25.0	210.0	440	0.23	440
-681K	11F	0.68	39	25.0	180.0	430	0.24	430
-821K	12F	0.82	38	25.0	165.0	405	0.27	405
-102K	13F	1.00	37	25.0	150.0	385	0.30	385
-122K	14F	1.20	40	7.9	130.0	247	0.73	247
-152K	15F	1.50	41	7.9	115.0	228	0.86	228
-182K	16F	1.80	43	7.9	105.0	217	0.95	217
-222K	17F	2.20	45	7.9	95.0	202	1.10	202
-272K	18F	2.70	48	7.9	90.0	193	1.20	193
-332K	19F	3.30	49	7.9	80.0	185	1.30	185
-392K	20F	3.90	50	7.9	75.0	173	1.50	173
-472K	21F	4.70	50	7.9	70.0	136	2.40	136
-562K	22F	5.60	50	7.9	60.0	124	2.90	124
-682K	23F	6.80	50	7.9	55.0	118	3.20	118
-822K	24F	8.20	50	7.9	53.0	111	3.60	111
-103K	25F	10.0	50	7.9	50.0	106	4.00	106
SERIES MIL1331 IRON CORE - FERRITE SLEEVE								
-123K	26F	12.0	36	2.5	35.0	122	3.00	122
-153K	27F	15.0	38	2.5	30.0	115	3.40	115
-183K	28F	18.0	40	2.5	26.0	108	3.80	108
-223K	29F	22.0	40	2.5	24.0	96	4.90	96
-273K	30F	27.0	40	2.5	21.0	88	5.80	88
-333K	31F	33.0	41	2.5	20.0	83	6.50	83
-393K	32F	39.0	42	2.5	19.0	75	7.90	75
-473K	33F	47.0	44	2.5	16.0	69	9.30	69
-563K	34F	56.0	44	2.5	15.0	64	11.0	64
-683K	35F	68.0	45	2.5	13.0	61	12.0	61
-823K	36F	82.0	45	2.5	11.0	59	13.0	59
-104K	37F	100.0	40	2.5	10.5	51	16.8	51
SERIES MIL1331 FERRITE CORE - FERRITE SLEEVE								
-124K	01F	120.0	31	0.79	13.0	88	5.80	27
-154K	02F	150.0	33	0.79	12.0	75	7.90	24
-184K	03F	180.0	33	0.79	11.0	69	9.40	22
-224K	04F	220.0	35	0.79	10.0	64	11.0	20
-274K	05F	270.0	35	0.79	9.0	61	12.0	18
-334K	06F	330.0	35	0.79	8.0	53	16.0	16
-394K	07F	390.0	35	0.79	7.8	46	21.0	14
-474K	08F	470.0	35	0.79	7.5	43	24.0	13
-564K	09F	560.0	35	0.79	7.0	40	28.0	12

Parts listed above are QPL/MIL qualified

*Complete part # must include series # PLUS the dash #

Packaging Tape & reel (16mm): 7" reel, 500 pieces max.; 13" reel, 2200 pieces max.

Made In the U.S.A.

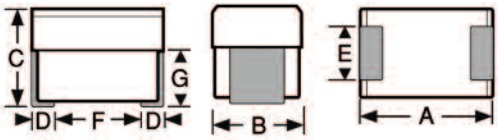
SERIES 1812R 1812

RoHS Compliant

Traditional First Quality

Unshielded Surface Mount Inductors

Actual Size



Physical Parameters

	Inches	Millimeters
A	0.166 to 0.190	4.22 to 4.83
B	0.118 to 0.134	3.00 to 3.40
C	0.118 to 0.134	3.00 to 3.40
D	0.015 Min.	0.38 Min.
E	0.054 to 0.078	1.37 to 1.98
F	0.118 (Ref. only)	3.00 (Ref. only)
G	0.066 (Ref. only)	1.68 (Ref. only)

Dimensions “A” and “C” are over terminals

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C
Iron and Ferrite: 0.278 W
Phenolic: 0.210 W

*** Note** Self Resonant Frequency (SRF) values are calculated and for reference only.

Marking Delevan; Inductance; Date/Lot Code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 1812R-105J
DELEVAN
105
R 1828A

Packaging Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.

Made In the U.S.A.

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

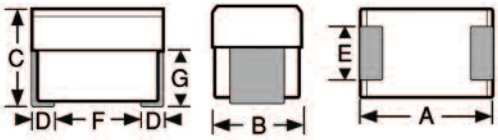
DASH NUMBER*	INDUCTANCE (µH)	TOLERANCE	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)*	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 1812 PHENOLIC CORE							
-100M	0.010	±20%	40	50	1000*	0.10	1230
-120M	0.012	±20%	40	50	1000*	0.10	1230
-150M	0.015	±20%	40	50	1000*	0.10	1230
-180M	0.018	±20%	40	50	1000*	0.10	1230
-220M	0.022	±20%	40	50	1000*	0.10	1230
-270M	0.027	±20%	40	50	1000*	0.15	1000
-330M	0.033	±20%	40	50	1000*	0.15	1000
-390M	0.039	±20%	30	50	1000*	0.20	870
-470M	0.047	±20%	30	50	1000*	0.20	870
-560M	0.056	±20%	30	50	850*	0.25	770
-680M	0.068	±20%	25	50	750*	0.25	770
-820M	0.082	±20%	25	50	750*	0.25	700
SERIES 1812 IRON CORE							
-101K	0.10	±10%	30	25	650	0.30	818
-121K	0.12	±10%	30	25	600	0.30	818
-151K	0.15	±10%	30	25	500	0.30	818
-181K	0.18	±10%	30	25	400	0.35	757
-221K	0.22	±10%	30	25	350	0.40	708
-271K	0.27	±10%	30	25	300	0.45	668
-331K	0.33	±10%	30	25	250	0.55	604
-391K	0.39	±10%	30	25	220	0.70	535
-471K	0.47	±10%	30	25	190	0.80	501
-561K	0.56	±10%	30	25	170	1.20	409
-681K	0.68	±10%	30	25	150	1.40	379
-821K	0.82	±10%	30	25	140	1.60	354
SERIES 1812 FERRITE CORE							
-102J	1.0	±5%	50	7.9	100	0.50	634
-122J	1.2	±5%	50	7.9	80	0.55	604
-152J	1.5	±5%	50	7.9	70	0.60	578
-182J	1.8	±5%	50	7.9	60	0.65	556
-222J	2.2	±5%	50	7.9	55	0.70	535
-272J	2.7	±5%	50	7.9	50	0.75	517
-332J	3.3	±5%	50	7.9	45	0.80	501
-392J	3.9	±5%	50	7.9	40	0.90	472
-472J	4.7	±5%	50	7.9	35	1.00	448
-562J	5.6	±5%	50	7.9	33	1.10	427
-682J	6.8	±5%	50	7.9	27	1.20	409
-822J	8.2	±5%	50	7.9	25	1.40	375
-103J	10	±5%	50	7.9	20	1.60	354
-123J	12	±5%	50	2.5	18	2.00	317
-153J	15	±5%	50	2.5	17	2.50	283
-183J	18	±5%	50	2.5	15	2.80	268
-223J	22	±5%	50	2.5	13	3.20	250
-273J	27	±5%	50	2.5	12	3.60	236
-333J	33	±5%	50	2.5	11	4.00	224
-393J	39	±5%	50	2.5	10	4.50	211
-473J	47	±5%	50	2.5	10	5.00	200
-563J	56	±5%	50	2.5	9	5.50	191
-683J	68	±5%	50	2.5	9	6.00	183
-823J	82	±5%	50	2.5	8	7.00	169
-104J	100	±5%	50	2.5	8	8.00	158
-124J	120	±5%	40	0.79	6	8.0	158
-154J	150	±5%	40	0.79	6	9.0	149
-184J	180	±5%	40	0.79	5	9.5	145
-224J	220	±5%	40	0.79	4	10.0	142
-274J	270	±5%	40	0.79	4	12.0	129
-334J	330	±5%	40	0.79	3.5	14.0	120
-394J	390	±5%	40	0.79	3.0	20.0	100
-474J	470	±5%	40	0.79	3.0	26.0	88
-564J	560	±5%	30	0.79	3.0	30.0	82
-684J	680	±5%	30	0.79	3.0	30.0	82
-824J	820	±5%	30	0.79	2.5	45.0	67
-105J	1000	±5%	30	0.79	2.5	60.0	55

DELEVAN™
A REGAL REXNORD BRAND

SERIES MIL1812R MIL1812

Unshielded Surface Mount Inductors

Actual Size



Military QPL Approvals
M83446/39
* Suffix F: Tin/Lead Termination
* Suffix P: Tin Termination

Physical Parameters

	Inches	Millimeters
A	0.166 to 0.190	4.22 to 4.83
B	0.118 to 0.134	3.00 to 3.40
C	0.118 to 0.134	3.00 to 3.40
D	0.015 Min.	0.38 Min.
E	0.054 to 0.078	1.37 to 1.98
F	0.118 (Ref. only)	3.00 (Ref. only)
G	0.066 (Ref. only)	1.68 (Ref. only)

Dimensions "A" and "C" are over terminals

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C
Iron and Ferrite: 0.278 W
Phenolic: 0.210 W

****†Note** Self Resonant Frequency (SRF) values are calculated and for reference only.

Packaging Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.

***Termination Finish Options** (Part & Callout)
MIL1812-101K = M83446/39-13F (Tin/Lead)
MIL1812R-101K = M83446/39-13P (Lead free)

Marking Delevan; military part number; date code (YYWWL).
Example: MIL1812-101K
DELEVAN
M83446/39-13F
1808A

Parts listed above are QPL/MIL qualified

*Complete part # must include series # PLUS the dash #

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH)	TOLERANCE	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
M83446/39 PHENOLIC CORE								
-100M	-01*	0.010	±20%	40	50	1000**†	0.10	1230
-120M	-02*	0.012	±20%	40	50	1000**†	0.10	1230
-150M	-03*	0.015	±20%	40	50	1000**†	0.10	1230
-180M	-04*	0.018	±20%	40	50	1000**†	0.10	1230
-220M	-05*	0.022	±20%	40	50	1000**†	0.10	1230
-270M	-06*	0.027	±20%	40	50	1000**†	0.15	1000
-330M	-07*	0.033	±20%	40	50	1000**†	0.15	1000
-390M	-08*	0.039	±20%	30	50	1000**†	0.20	870
-470M	-09*	0.047	±20%	30	50	1000**†	0.20	870
-560M	-10*	0.056	±20%	30	50	850**†	0.25	770
-680M	-11*	0.068	±20%	25	50	750**†	0.25	770
-820M	-12*	0.082	±20%	25	50	750**†	0.25	700
M83446/39 IRON CORE								
-101K	-13*	0.10	±10%	30	25	650**†	0.30	818
-121K	-14*	0.12	±10%	30	25	600**†	0.30	818
-151K	-15*	0.15	±10%	30	25	500**†	0.30	818
-181K	-16*	0.18	±10%	30	25	400**†	0.35	757
-221K	-17*	0.22	±10%	30	25	350**†	0.40	708
-271K	-18*	0.27	±10%	30	25	300**†	0.45	668
-331K	-19*	0.33	±10%	30	25	250	0.55	604
-391K	-20*	0.39	±10%	30	25	220	0.70	535
-471K	-21*	0.47	±10%	30	25	190	0.80	501
-561K	-22*	0.56	±10%	30	25	170	1.20	409
-681K	-23*	0.68	±10%	30	25	150	1.40	379
-821K	-24*	0.82	±10%	30	25	140	1.60	354
M83446/39 FERRITE CORE								
-102J	-25*	1.0	±5%	50	7.9	100	0.50	634
-122J	-26*	1.2	±5%	50	7.9	80	0.55	604
-152J	-27*	1.5	±5%	50	7.9	70	0.60	578
-182J	-28*	1.8	±5%	50	7.9	60	0.65	556
-222J	-29*	2.2	±5%	50	7.9	55	0.70	535
-272J	-30*	2.7	±5%	50	7.9	50	0.75	517
-332J	-31*	3.3	±5%	50	7.9	45	0.80	501
-392J	-32*	3.9	±5%	50	7.9	40	0.90	472
-472J	-33*	4.7	±5%	50	7.9	35	1.00	448
-562J	-34*	5.6	±5%	50	7.9	33	1.10	427
-682J	-35*	6.8	±5%	50	7.9	27	1.20	409
-822J	-36*	8.2	±5%	50	7.9	25	1.40	375
-103J	-37*	10	±5%	50	7.9	20	1.60	354
-123J	-38*	12	±5%	50	2.5	18	2.00	317
-153J	-39*	15	±5%	50	2.5	17	2.50	283
-183J	-40*	18	±5%	50	2.5	15	2.80	268
-223J	-41*	22	±5%	50	2.5	13	3.20	250
-273J	-42*	27	±5%	50	2.5	12	3.60	236
-333J	-43*	33	±5%	50	2.5	11	4.00	224
-393J	-44*	39	±5%	50	2.5	10	4.50	211
-473J	-45*	47	±5%	50	2.5	10	5.00	200
-563J	-46*	56	±5%	50	2.5	9	5.50	191
-683J	-47*	68	±5%	50	2.5	9	6.00	183
-823J	-48*	82	±5%	50	2.5	8	7.00	169
-104J	-49*	100	±5%	50	2.5	8	8.00	158
-124J	-50*	120	±5%	40	0.79	6	8.0	158
-154J	-51*	150	±5%	40	0.79	6	9.0	149
-184J	-52*	180	±5%	40	0.79	5	9.5	145
-224J	-53*	220	±5%	40	0.79	4	10.0	142
-274J	-54*	270	±5%	40	0.79	4	12.0	129
-334J	-55*	330	±5%	40	0.79	3.5	14.0	120
-394J	-56*	390	±5%	40	0.79	3.0	20.0	100
-474J	-57*	470	±5%	40	0.79	3.0	26.0	88
-564J	-58*	560	±5%	30	0.79	3.0	30.0	82
-684J	-59*	680	±5%	30	0.79	3.0	30.0	82
-824J	-60*	820	±5%	30	0.79	2.5	45.0	67
-105J	-61*	1000	±5%	30	0.79	2.5	60.0	55

DELEVAN™
A REGAL REXNORD BRAND

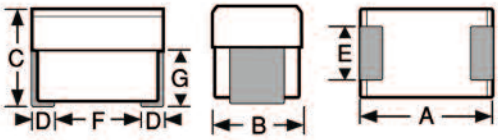
SERIES S1812R S1812

RoHS Compliant

Traditional First Quality

Shielded Surface Mount Inductors

Actual Size



Physical Parameters

	Inches	Millimeters
A	0.166 to 0.190	4.2 to 4.8
B	0.118 to 0.134	3.0 to 3.4
C	0.118 to 0.134	3.0 to 3.4
D	0.015 Min.	0.38 Min.
E	0.054 to 0.078	1.37 to 1.98
F	0.118 (Ref. only)	3.0 (Ref. only)
G	0.066 (Ref. only)	1.7 (Ref. only)

Dimensions “A” and “C” are over terminals

Weight Max. (Grams) 0.15

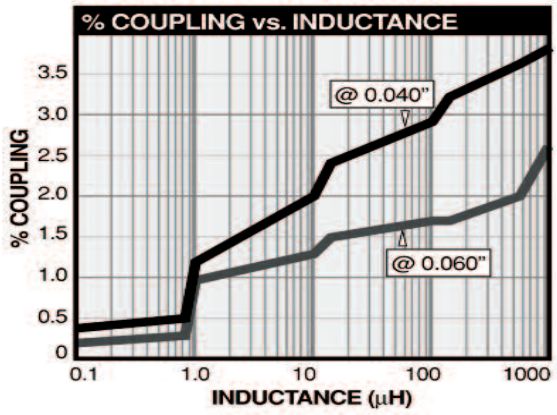
Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.278 W

Marking Delevan; dash number followed by an S; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: S1812R-102K

DELEVAN
102 S
R 1828A



For more detailed graphs, contact factory

DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES S1812 IRON CORE						
-101K	0.10	50	25	460	0.09	1490
-121K	0.12	50	25	400	0.10	1412
-151K	0.15	50	25	390	0.11	1347
-181K	0.18	50	25	350	0.12	1290
-221K	0.22	50	25	310	0.15	1154
-271K	0.27	50	25	280	0.18	1053
-331K	0.33	40	25	240	0.22	952
-391K	0.39	40	25	215	0.26	876
-471K	0.47	40	25	205	0.31	802
-561K	0.56	40	25	185	0.37	735
-681K	0.68	40	25	166	0.44	675
-821K	0.82	40	25	155	0.53	614
SERIES S1812 FERRITE CORE						
-102K	1.0	40	7.9	160	0.35	755
-122K	1.2	40	7.9	140	0.38	725
-152K	1.5	40	7.9	110	0.40	706
-182K	1.8	40	7.9	100	0.43	681
-222K	2.2	40	7.9	90	0.46	658
-272K	2.7	40	7.9	67	0.49	638
-332K	3.3	40	7.9	61	0.70	534
-392K	3.9	40	7.9	56	0.84	487
-472K	4.7	40	7.9	50	0.90	471
-562K	5.6	40	7.9	40	1.00	447
-682K	6.8	40	7.9	32	1.20	408
-822K	8.2	40	7.9	30	1.44	372
-103K	10	50	2.5	25	1.80	333
-123K	12	50	2.5	22	2.00	315
-153K	15	50	2.5	18	2.20	301
-183K	18	50	2.5	15	2.40	288
-223K	22	50	2.5	14	2.60	277
-273K	27	50	2.5	13	2.80	267
-333K	33	50	2.5	12	3.00	258
-393K	39	50	2.5	11	3.20	250
-473K	47	50	2.5	9.0	3.40	242
-563K	56	50	2.5	8.0	3.60	235
-683K	68	50	2.5	7.6	4.30	215
-823K	82	50	2.5	7.2	5.20	196
-104K	100	40	0.79	7.0	7.00	169
-124K	120	40	0.79	6.0	7.50	163
-154K	150	40	0.79	5.0	8.00	158
-184K	180	40	0.79	4.5	8.50	153
-224K	220	40	0.79	4.2	9.00	149
-274K	270	40	0.79	4.0	11.0	135
-334K	330	40	0.79	3.7	12.0	129
-394K	390	40	0.79	3.5	18.0	105
-474K	470	40	0.79	3.3	24.0	91
-564K	560	40	0.79	2.8	28.0	84
-684K	680	40	0.79	2.6	32.0	79
-824K	820	40	0.79	2.2	40.0	71
-105K	1000	40	0.79	2.0	55.0	60

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

Packaging Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.

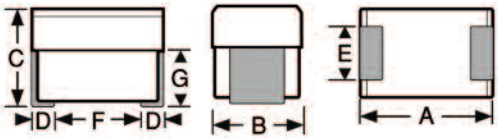
Made In the U.S.A.

DELEVAN™
A REGAL REXNORD BRAND

SERIES MILS1812R MILS1812

Shielded Surface Mount Inductors

Actual Size



Military QPL Approvals
M83446/40
* Suffix F: Tin/Lead Termination
* Suffix P: Tin Termination

Physical Parameters

	Inches	Millimeters
A	0.166 to 0.190	4.2 to 4.8
B	0.118 to 0.134	3.0 to 3.4
C	0.118 to 0.134	3.0 to 3.4
D	0.015 Min.	0.38 Min.
E	0.054 to 0.078	1.37 to 1.98
F	0.118 (Ref. only)	3.0 (Ref. only)
G	0.066 (Ref. only)	1.7 (Ref. only)

Dimensions “A” and “C” are over terminals

Weight Max. (Grams) 0.15

Operating Temperature Range –55°C to +125°C

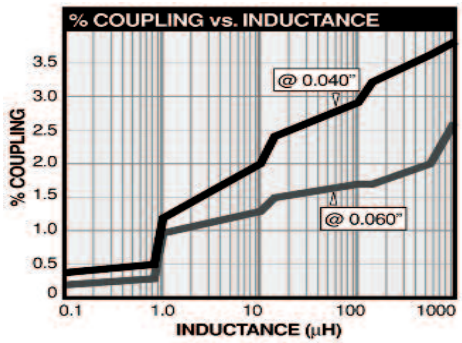
Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.278 W

****†Note** Self Resonant Frequency (SRF) values are calculated and for reference only.

Marking API/SMD; inductance with units and tolerance followed by an S; date code (YYWWL) followed by an M. Note: An R before the date code indicates a RoHS component.
Example: MILS1812-153K
API/SMD
15uH±10%S
0850A M

Made In the U.S.A.



For more detailed graphs, contact factory

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
M83446/40 IRON CORE							
-101K	-01*	0.10	50	25	460**†	0.09	1490
-121K	-02*	0.12	50	25	400**†	0.10	1412
-151K	-03*	0.15	50	25	390**†	0.11	1347
-181K	-04*	0.18	50	25	350**†	0.12	1290
-221K	-05*	0.22	50	25	310**†	0.15	1154
-271K	-06*	0.27	50	25	280**†	0.18	1053
-331K	-07*	0.33	40	25	240	0.22	952
-391K	-08*	0.39	40	25	215	0.26	876
-471K	-09*	0.47	40	25	205	0.31	802
-561K	-10*	0.56	40	25	185	0.37	735
-681K	-11*	0.68	40	25	166	0.44	675
-821K	-12*	0.82	40	25	155	0.53	614
M83446/40 FERRITE CORE							
-102K	-13*	1.0	40	7.9	160	0.35	755
-122K	-14*	1.2	40	7.9	140	0.38	725
-152K	-15*	1.5	40	7.9	110	0.40	706
-182K	-16*	1.8	40	7.9	100	0.43	681
-222K	-17*	2.2	40	7.9	90	0.46	658
-272K	-18*	2.7	40	7.9	67	0.49	638
-332K	-19*	3.3	40	7.9	61	0.70	534
-392K	-20*	3.9	40	7.9	56	0.84	487
-472K	-21*	4.7	40	7.9	50	0.90	471
-562K	-22*	5.6	40	7.9	40	1.00	447
-682K	-23*	6.8	40	7.9	32	1.20	408
-822K	-24*	8.2	40	7.9	30	1.44	372
-103K	-25*	10	50	2.5	25	1.80	333
-123K	-26*	12	50	2.5	22	2.00	315
-153K	-27*	15	50	2.5	18	2.20	301
-183K	-28*	18	50	2.5	15	2.40	288
-223K	-29*	22	50	2.5	14	2.60	277
-273K	-30*	27	50	2.5	13	2.80	267
-333K	-31*	33	50	2.5	12	3.00	258
-393K	-32*	39	50	2.5	11	3.20	250
-473K	-33*	47	50	2.5	9.0	3.40	242
-563K	-34*	56	50	2.5	8.0	3.60	235
-683K	-35*	68	50	2.5	7.6	4.30	215
-823K	-36*	82	50	2.5	7.2	5.20	196
-104K	-37*	100	40	0.79	7.0	7.00	169
-124K	-38*	120	40	0.79	6.0	7.50	163
-154K	-39*	150	40	0.79	5.0	8.00	158
-184K	-40*	180	40	0.79	4.5	8.50	153
-224K	-41*	220	40	0.79	4.2	9.00	149
-274K	-42*	270	40	0.79	4.0	11.0	135
-334K	-43*	330	40	0.79	3.7	12.0	129
-394K	-44*	390	40	0.79	3.5	18.0	105
-474K	-45*	470	40	0.79	3.3	24.0	91
-564K	-46*	560	40	0.79	2.8	28.0	84
-684K	-47*	680	40	0.79	2.6	32.0	79
-824K	-48*	820	40	0.79	2.2	40.0	71
-105K	-49*	1000	40	0.79	2.0	55.0	60

Parts listed above are QPL/MIL qualified

*Complete part # must include series # PLUS the dash #

Packaging Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.

***Termination Finish Options** (Part & Callout)
MILS1812 - 101K = M83446/30F (Tin/Lead)
MILS1812R - 101K = M83446/13P (Pb free)

270 Quaker Rd., East Aurora NY 14052 • Phone 716-652-3600 • Fax 716-652-4814 • E-mail: Delevan.Sales@regalrexnord.com • www.delevan.com

DELEVAN™
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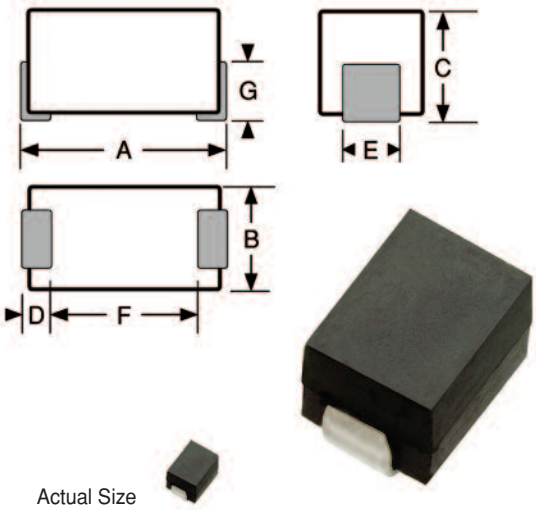
SERIES 2510R 2510

RoHS Compliant

Traditional First Quality

Unshielded Surface Mount Inductors



Actual Size

Physical Parameters

	Inches	Millimeters
A	0.235 to 0.255	5.97 to 6.48
B	0.085 to 0.105	2.16 to 2.67
C	0.090 to 0.110	2.29 to 2.79
D	0.060 to 0.080	1.52 to 2.03
E	0.035 to 0.055	0.89 to 1.40
F	0.100 (Ref. only)	2.54 (Ref. only)
G	0.059 (Ref. only)	1.47 (Ref. only)

Dimensions “A” and “C” are over terminals.

Weight Max. (Grams)
Phenolic: 0.19
Iron & Ferrite: 0.22

Operating Temperature Range
Phenolic: –55°C to +125°C
Iron & Ferrite: –55°C to +105°C

Current Rating at 90°C Ambient
Phenolic: 35°C Rise
Iron & Ferrite: 15°C Rise

Maximum Power Dissipation at 90°C Ambient
Phenolic: 0.145 W
Iron & Ferrite: 0.062 W

Marking Delevan; dash number; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 2510R-52K
Delevan
52
R 0614B

Packaging Tape & reel (12mm): 7" reel, 750 pieces max.; 13" reel, 2700 pieces max.

DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 2510 PHENOLIC CORE						
-00K	0.10	25	25.0	640.0	0.14	865
-02K	0.12	25	25.0	610.0	0.17	785
-04K	0.15	25	25.0	530.0	0.20	725
-06K	0.18	25	25.0	510.0	0.22	690
-08K	0.22	25	25.0	480.0	0.26	635
-10K	0.27	25	25.0	440.0	0.40	510
-12K	0.33	25	25.0	410.0	0.50	455
-14K	0.39	25	25.0	380.0	0.60	415
-16K	0.47	25	25.0	340.0	0.63	405
SERIES 2510 IRON CORE						
-18K	0.56	35	25.0	240.0	0.19	500
-20K	0.68	35	25.0	210.0	0.21	475
-22K	0.82	35	25.0	200.0	0.24	444
-24K	1.0	35	7.9	180.0	0.27	418
-26K	1.2	25	7.9	160.0	0.32	385
-28K	1.5	30	7.9	140.0	0.53	300
-30K	1.8	30	7.9	125.0	0.59	283
-32K	2.2	30	7.9	120.0	0.76	250
-34K	2.7	30	7.9	100.0	0.90	229
-36K	3.3	35	7.9	90.0	1.35	187
-38K	3.9	35	7.9	85.0	1.70	167
-40K	4.7	35	7.9	80.0	2.30	143
-42K	5.6	35	7.9	75.0	3.10	123
-44K	6.8	35	7.9	64.0	3.60	114
-46K	8.2	35	7.9	50.0	4.8	99
-48K	10.0	35	7.9	45.0	5.7	91
-50K	12.0	25	2.5	29.0	3.3	120
-52K	15.0	25	2.5	24.0	3.8	110
-54K	18.0	25	2.5	21.0	4.2	106
-56K	22.0	25	2.5	18.0	4.7	100
-58K	27.0	25	2.5	17.0	5.7	91
-60K	33.0	25	2.5	15.0	6.2	87
-62K	39.0	25	2.5	13.0	8.1	76
-64K	47.0	25	2.5	12.0	9.8	69
-66K	56.0	25	2.5	11.0	12.0	62
-68K	68.0	25	2.5	10.0	13.8	58
-70K	82.0	25	2.5	9.0	19.0	50
-72K	100.0	25	2.5	8.9	21.0	47
SERIES 2510 FERRITE CORE						
-74K	120.0	15	0.79	8.5	17.0	52
-76K	150.0	15	0.79	7.6	19.0	49
-78K	180.0	15	0.79	7.2	21.5	46
-80K	220.0	15	0.79	6.8	32.0	38
-82K	270.0	15	0.79	6.2	37.0	35
-84K	330.0	15	0.79	5.3	47.0	31
-86K	390.0	15	0.79	5.0	53.0	30
-88K	470.0	15	0.79	4.6	60.0	28
-90K	560.0	15	0.79	4.3	71.0	25
-92K	680.0	15	0.79	3.8	83.0	23
-94K	820.0	15	0.79	3.2	95.0	22
-96K	1000.0	15	0.79	2.4	108.0	20

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

Made In the U.S.A.

DELEVAN™
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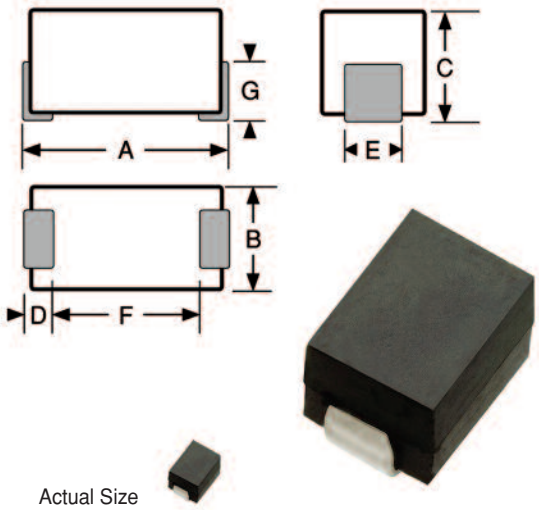
SERIES MIL2510

MILITARY QPL APPROVED

Unshielded Surface Mount Inductors



Actual Size

Military QPL Approval
M83446/28 Phenolic Core
M83446/29 Iron Core
M83446/30 Ferrite Core

†Ordering Note Military parts must be ordered to the M83446/ part number

Physical Parameters

	Inches	Millimeters
A	0.235 to 0255	5.97 to 6.48
B	0.085 to 0.105	2.16 to 2.67
C	0.090 to 0.110	2.29 to 2.79
D	0.060 to 0.080	1.52 to 2.03
E	0.035 to 0.055	0.89 to 1.40
F	0.100 (Ref. only)	2.54 (Ref. only)
G	0.059 (Ref. only)	1.47 (Ref. only)

Dimensions “A” and “C” are over terminals.

Weight Max. (Grams)
Phenolic: 0.19
Iron & Ferrite: 0.22

Operating Temperature Range
Phenolic: –55°C to +125°C
Iron & Ferrite: –55°C to +105°C

Current Rating at 90°C Ambient
Phenolic: 35°C Rise
Iron & Ferrite: 15°C Rise

Maximum Power Dissipation at 90°C Ambient
Phenolic: 0.145 W
Iron & Ferrite: 0.062 W

Marking API/SMD; inductance with units and tolerance; date code (YYWWL) followed by an M.
Example: MIL2510-26K
API/SMD
1.2uH±10%
0851A M

Packaging Tape & reel (12mm): 7" reel, 750 pieces max.; 13" reel, 2700 pieces max.

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH) ±10%	TEST FREQUENCY (MHz)	Q MINIMUM	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
M83446/28– SERIES MIL 2510 PHENOLIC CORE							
-00K	01F	0.10	25	25.0	640.0	0.14	865
-02K	02F	0.12	25	25.0	610.0	0.17	785
-04K	03F	0.15	25	25.0	530.0	0.20	725
-06K	04F	0.18	25	25.0	510.0	0.22	690
-08K	05F	0.22	25	25.0	480.0	0.26	635
-10K	06F	0.27	25	25.0	440.0	0.40	510
-12K	07F	0.33	25	25.0	410.0	0.50	455
-14K	08F	0.39	25	25.0	380.0	0.60	415
-16K	09F	0.47	25	25.0	340.0	0.63	405
M83446/29– SERIES MIL 2510 IRON CORE							
-18K	01F	0.56	35	25.0	240.0	0.19	500
-20K	02F	0.68	35	25.0	210.0	0.21	475
-22K	03F	0.82	35	25.0	200.0	0.24	444
-24K	04F	1.0	35	7.9	180.0	0.27	418
-26K	05F	1.2	25	7.9	160.0	0.32	385
-28K	06F	1.5	30	7.9	140.0	0.53	300
-30K	07F	1.8	30	7.9	125.0	0.59	283
-32K	08F	2.2	30	7.9	120.0	0.76	250
-34K	09F	2.7	30	7.9	100.0	0.90	229
-36K	10F	3.3	35	7.9	90.0	1.35	187
-38K	11F	3.9	35	7.9	85.0	1.70	167
-40K	12F	4.7	35	7.9	80.0	2.30	143
-42K	13F	5.6	35	7.9	75.0	3.10	123
-44K	14F	6.8	35	7.9	64.0	3.60	114
-46K	15F	8.2	35	7.9	50.0	4.8	99
-48K	16F	10.0	35	7.9	45.0	5.7	91
-50K	17F	12.0	25	2.5	29.0	3.3	120
-52K	18F	15.0	25	2.5	24.0	3.8	110
-54K	19F	18.0	25	2.5	21.0	4.2	106
-56K	20F	22.0	25	2.5	18.0	4.7	100
-58K	21F	27.0	25	2.5	17.0	5.7	91
-60K	22F	33.0	25	2.5	15.0	6.2	87
-62K	23F	39.0	25	2.5	13.0	8.1	76
-64K	24F	47.0	25	2.5	12.0	9.8	69
-66K	25F	56.0	25	2.5	11.0	12.0	62
-68K	26F	68.0	25	2.5	10.0	13.8	58
-70K	27F	82.0	25	2.5	9.0	19.0	50
-72K	28F	100.0	25	2.5	8.9	21.0	47
M83446/30– SERIES MIL 2510 FERRITE CORE							
-74K	01F	120.0	15	0.79	8.5	17.0	52
-76K	02F	150.0	15	0.79	7.6	19.0	49
-78K	03F	180.0	15	0.79	7.2	21.5	46
-80K	04F	220.0	15	0.79	6.8	32.0	38
-82K	05F	270.0	15	0.79	6.2	37.0	35
-84K	06F	330.0	15	0.79	5.3	47.0	31
-86K	07F	390.0	15	0.79	5.0	53.0	30
-88K	08F	470.0	15	0.79	4.6	60.0	28
-90K	09F	560.0	15	0.79	4.3	71.0	25
-92K	10F	680.0	15	0.79	3.8	83.0	23
-94K	11F	820.0	15	0.79	3.2	95.0	22
-96K	12F	1000.0	15	0.79	2.4	108.0	20

Parts listed above are QPL/MIL qualified

*Complete part # must include series # PLUS the dash #

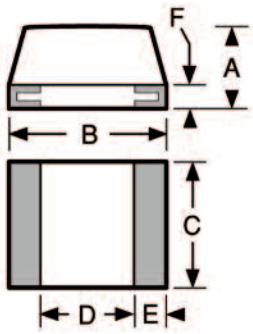
Made In the U.S.A.

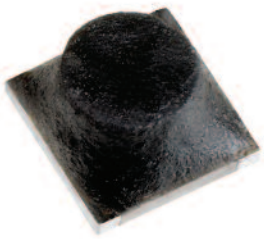
SERIES 3090R 3090

RoHS Compliant

Traditional First Quality

Micro i® Low Profile Chip Inductors





Actual Size

Physical Parameters

	Inches	Millimeters
A	0.050 Max.	1.27 Max.
B	0.100±0.010	2.54±0.254
C	0.100±0.010	2.54±0.254
D	0.050 Min.	1.27 Min.
E	0.015 Min. (Typ.)	0.38 Min. (Typ.)
F	0.020 Max. (Typ.)	0.51 Max. (Typ.)

Current Rating at 90°C Ambient 35°C Rise

Operating Temperature Range –55°C to +125°C

Maximum Power Dissipation at 90°C 0.105 W

Core Material Powdered iron core for improved temperature stability.

Mechanical Configuration Units are epoxy encapsulated. Contact area for reflow soldering are gold plated per MIL-G-45204 Type 1 Grade A. Internal connections are thermal compression bonded.

Termination Finish Options
Standard: Gold over Nickel.
For Tin/Lead over Nickel: Add suffix "S" to part number and allow an additional .010 inch for maximum height. For RoHS, order 3090R - XXXKS.

Notes 1) Designed specifically for reflow soldering and other high temperature processes with metalized edges to exhibit solder fillet. **2)** Self Resonant Frequency (SRF) values 250 MHz and above are calculated and for reference only.

Packaging Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 8000 pieces max.

MIL-PRF-83446 (Reference) for testing methods only.

Made in the U.S.A.

DASH NUMBER*	INDUCTANCE (µH)	TOLERANCE	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 3090 IRON CORE							
-100M	0.010	± 20%	42	50.0	1000	0.095	890
-150M	0.015	± 20%	42	50.0	1000	0.115	810
-220M	0.022	± 20%	40	50.0	1000	0.140	765
-330K	0.033	± 10%	40	50.0	900	0.185	640
-390K	0.039	± 10%	40	50.0	900	0.100	870
-470K	0.047	± 10%	38	50.0	900	0.110	830
-560K	0.056	± 10%	35	50.0	800	0.135	750
-680K	0.068	± 10%	30	50.0	700	0.16	690
-820K	0.082	± 10%	25	50.0	650	0.19	630
-101K	0.10	± 10%	32	25.0	510	0.08	970
-121K	0.12	± 10%	32	25.0	410	0.10	870
-151K	0.15	± 10%	32	25.0	370	0.12	795
-181K	0.18	± 10%	32	25.0	330	0.14	765
-221K	0.22	± 10%	34	25.0	300	0.16	690
-271K	0.27	± 10%	34	25.0	250	0.20	615
-331K	0.33	± 10%	34	25.0	220	0.25	550
-391K	0.39	± 10%	34	25.0	200	0.30	500
-471K	0.47	± 10%	34	25.0	180	0.36	460
-561K	0.56	± 10%	34	25.0	160	0.45	410
-681K	0.68	± 10%	30	25.0	140	0.50	390
-821K	0.82	± 10%	28	25.0	120	0.60	355
-102K	1.00	± 10%	24	25.0	100	0.70	330
-122K	1.20	± 10%	24	7.9	95	1.10	265
-152K	1.50	± 10%	24	7.9	90	1.20	250
-182K	1.80	± 10%	24	7.9	85	1.25	245
-222K	2.20	± 10%	25	7.9	80	1.30	240
-272K	2.70	± 10%	25	7.9	70	1.50	225
-332K	3.30	± 10%	25	7.9	65	1.90	200
-392K	3.90	± 10%	25	7.9	60	2.30	180
-472K	4.70	± 10%	24	7.9	55	3.00	160
-562K	5.60	± 10%	22	7.9	53	3.50	145
-682K	6.80	± 10%	22	7.9	50	4.00	135
-822K	8.20	± 10%	22	7.9	45	4.50	130
-103K	10.0	± 10%	20	7.9	40	5.00	120

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

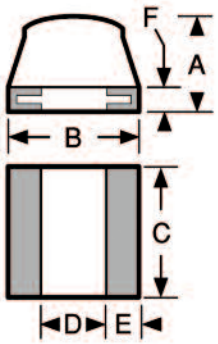
DELEVAN™
A REGAL REXNORD BRAND

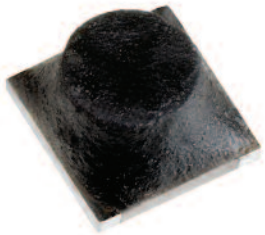
SERIES 3094R 3094

RoHS Compliant

Traditional First Quality

Micro i® Chip Inductors





Actual Size

Physical Parameters

	Inches	Millimeters
A	0.140 Max.	3.56 Max.
B	0.147 to 0.163	3.73 to 4.14
C	0.117 to 0.133	2.97 to 3.38
D	0.070 Min.	1.78 Min.
E	0.017 to 0.033	0.43 to 0.84
F	0.020 Max. (Typ.)	0.51 Max. (Typ.)

Current Rating at 90°C Ambient 35°C Rise
Operating Temperature Range –55°C to +125°C
Maximum Power Dissipation at 90°C 0.155 W

Inductance tolerance desired is specified by suffixing an alpha character to the part number: F = 1%, G = 2%, H = 3%, J = 5%, K = 10%, and M = 20%. Standard series tolerance is ±10%. For inductance values less than .10µH, minimum tolerance is ±5%.

Termination Standard: Tin/Lead Sn63

Mechanical Configuration Units are epoxy encapsulated. Contact area for reflow are solder coated. Internal connections are thermal compression bonded.

Notes 1) Designed specifically for reflow soldering and other high temperature processes with metalized edges to exhibit solder fillet. **2)** Self Resonant Frequency (SRF) values 270 MHz and above are calculated and for reference only. **3)** Optional marking is available.

Packaging Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.
MIL-PRF-83446/10 (Reference)

Made In the U.S.A.

*Complete part # must include series # PLUS the dash #

DASH NUMBER*	MIL DASH # (Reference)	INDUCTANCE (µH) ±10%	TEST FREQUENCY (MHz)	Q MINIMUM	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
	M83446/10– (Reference) SERIES 3094 IRON CORE						
-100KS	62	0.010	60	150	2000.0	0.040	1000
-120KS	63	0.012	60	150	1800.0	0.040	1000
-150KS	64	0.015	60	150	1500.0	0.040	1000
-180KS	65	0.018	60	150	1500.0	0.040	1000
-220KS	66	0.022	60	100	1300.0	0.050	1000
-270KS	67	0.027	60	100	1300.0	0.050	1000
-330KS	68	0.033	60	100	1000.0	0.050	1000
-390KS	69	0.039	60	100	1000.0	0.060	900
-470KS	70	0.047	65	100	800.0	0.060	900
-560KS	71	0.056	65	100	760.0	0.060	900
-680KS	72	0.068	65	100	700.0	0.070	840
-820KS	73	0.082	65	100	650.0	0.070	840
-101KS	74	0.100	65	50	570.0	0.070	840
-121KS	75	0.120	65	50	520.0	0.070	840
-151KS	76	0.150	75	50	400.0	0.080	790
-181KS	77	0.180	75	50	360.0	0.080	790
-221KS	78	0.220	70	50	320.0	0.080	790
-271KS	79	0.270	70	50	270.0	0.10	700
-331KS	80	0.330	70	50	240.0	0.10	700
-391KS	81	0.390	70	50	220.0	0.10	700
-471KS	82	0.470	70	25	190.0	0.14	590
-561KS	83	0.560	70	25	170.0	0.19	510
-681KS	84	0.680	70	25	160.0	0.26	430
-821KS	85	0.820	75	25	150.0	0.30	400
-102KS	86	1.00	75	25	130.0	0.34	380
-122KS	87	1.20	65	7.9	120.0	0.45	330
-152KS	88	1.50	65	7.9	110.0	0.57	290
-182KS	89	1.80	65	7.9	100.0	0.72	260
-222KS	90	2.20	65	7.9	80.0	0.90	230
-272KS	91	2.70	65	7.9	60.0	1.10	210
-332KS	92	3.30	60	7.9	50.0	1.20	200
-392KS	93	3.90	60	7.9	45.0	1.40	180
-472KS	94	4.70	60	7.9	42.0	1.60	170
-562KS	95	5.60	65	7.9	40.0	1.80	160
-682KS	96	6.80	65	7.9	37.0	2.40	140
-822KS	97	8.20	65	7.9	34.0	3.00	130
-103KS	98	10.0	65	7.9	29.0	3.50	120
-123KS	99	12.0	60	2.5	27.0	3.60	118
-153KS	100	15.0	60	2.5	22.0	3.70	115
-183KS	101	18.0	60	2.5	17.0	3.80	114
-223KS	102	22.0	60	2.5	16.0	3.90	113
-273KS	103	27.0	65	2.5	15.0	4.00	110
-333KS	104	33.0	65	2.5	14.0	5.00	100
-393KS	105	39.0	65	2.5	13.0	7.00	84
-473KS	106	47.0	70	2.5	12.0	8.00	79
-563KS	107	56.0	70	2.5	11.0	10.0	70
-683KS	108	68.0	65	2.5	10.0	11.0	67
-823KS	109	82.0	60	2.5	9.0	12.0	64
-104KS	110	100.0	60	2.5	8.0	13.0	62
-124KS	111	120.0	40	0.79	7.0	14.0	59
-154KS	112	150.0	40	0.79	6.0	16.0	56
-184KS	113	180.0	40	0.79	5.0	18.0	52
-224KS	114	220.0	40	0.79	4.0	24.0	45
-274KS	115	270.0	40	0.79	3.3	25.0	44
-334KS	116	330.0	40	0.79	3.1	29.0	41
-394KS	117	390.0	40	0.79	2.9	32.0	39
-474KS	118	470.0	35	0.79	2.4	35.0	37
-564KS	119	560.0	35	0.79	2.1	45.0	33
-684KS	120	680.0	35	0.79	1.9	55.0	30
-824KS	121	820.0	30	0.79	1.8	70.0	26
-105KS	122	1000.0	30	0.79	1.7	80.0	25

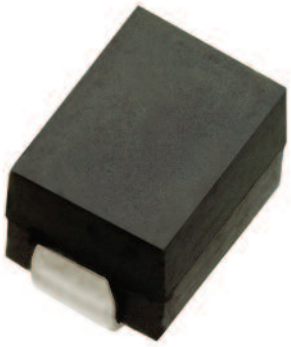
DELEVAN™
A REGAL REXNORD BRAND

SERIES 4232R 4232

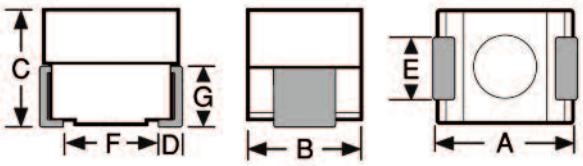
RoHS Compliant

Traditional First Quality

Open Construction Wirewound Surface Mount Inductors



Actual Size



Temperature Stable for critical conditions

Physical Parameters

	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.67
C	0.081 to 0.101	2.06 to 2.57
D	0.016 Min.	0.41 Min.
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref. only)	1.78 (Ref. only)
G	0.054 (Ref. only)	1.37 (Ref. only)

Dimensions “A” and “C” are over terminals.

Weight Max. (Grams) 0.1

Operating Temperature –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C Ambient
Phenolic: 0.168 W
Iron: 0.287 W

Note For applications requiring improved characteristics over typical ferrite core inductors of the same size, see 1210 Series for values lower than 0.10µH.

Marking Delevan; dash number; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 4232R-562F
DELEVAN
562
R 1809A

Packaging Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 7000 pieces max.

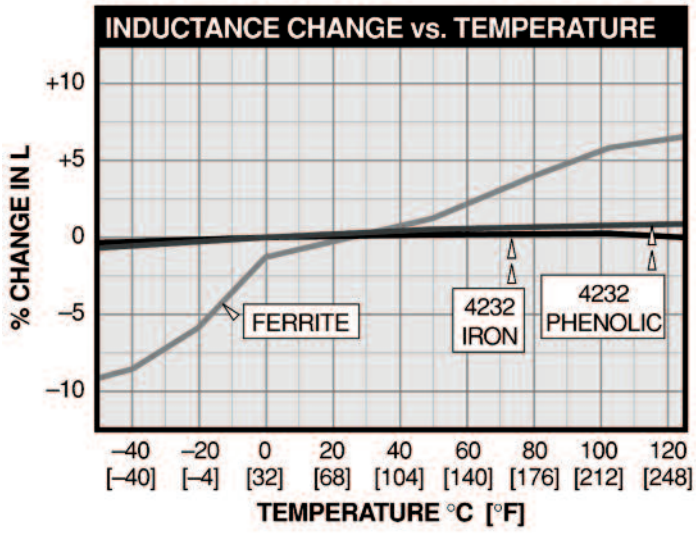
Made In the U.S.A.

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 4232 PHENOLIC CORE						
-101K	0.10	20	25	250	0.45	519
-121K	0.12	20	25	220	0.50	493
-151K	0.15	20	25	180	0.54	474
-181K	0.18	19	25	165	0.61	446
-221K	0.22	19	25	135	0.68	442
-271K	0.27	17	25	120	0.72	410
-331K	0.33	17	25	200	0.76	400
-391K	0.39	17	25	180	0.84	380
-471K	0.47	17	25	140	0.92	363
-561K	0.56	15	25	120	1.06	338
-681K	0.68	15	25	110	1.25	312
-821K	0.82	10	25	100	1.40	294
-102K	1.0	10	25	90	1.50	284
SERIES 4232 IRON CORE						
-122K	1.2	30	7.9	83	0.90	480
-152K	1.5	30	7.9	75	1.00	455
-182K	1.8	30	7.9	65	1.10	434
-222K	2.2	30	7.9	55	1.20	416
-272K	2.7	30	7.9	50	1.25	407
-332K	3.3	30	7.9	47	1.30	399
-392K	3.9	30	7.9	45	1.40	385
-472K	4.7	30	7.9	40	1.80	339
-562K	5.6	30	7.9	36	2.00	322
-682K	6.8	30	7.9	22	2.40	294
-822K	8.2	30	7.9	21	3.00	263
-103K	10.0	30	7.9	20	4.30	220
-123K	12.0	30	2.5	18	5.80	189
-153K	15.0	30	2.5	17	6.50	179
-183K	18.0	30	2.5	16	7.20	170
-223K	22.0	30	2.5	15	8.00	161
-273K	27.0	30	2.5	14	8.80	153
-333K	33.0	30	2.5	13	9.20	150
-393K	39.0	30	2.5	12	10.8	139
-473K	47.0	30	2.5	10	11.4	135

For more detailed graphs, contact factory



DELEVAN™
A REGAL REXNORD BRAND

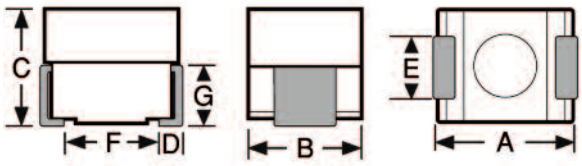
SERIES 4302R 4302

RoHS Compliant

Traditional First Quality

Temperature Stable (1008 size) Surface Mount Inductors

Actual Size



Temperature Stable for critical conditions

Physical Parameters

	Inches	Millimeters
A	0.095 to 0.115	2.41 to 2.92
B	0.085 to 0.105	2.16 to 2.66
C	0.075 to 0.095	1.91 to 2.41
D	0.010 to 0.030	0.26 to 0.76
E	0.040 to 0.060	1.02 to 1.52
F	0.060 (Ref. only)	1.52 (Ref. only)
G	0.045 (Ref. only)	1.14 (Ref. only)

Dimensions “A” and “C” are over terminals.

Weight Max. (Grams) 0.1

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.208 W

Note For applications requiring improved characteristics over typical ferrite core inductors of the same size. See 1008 Series for values lower than 0.12µH.

Marking Delevan; dash number; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 4302-272K
DELEVAN
272
1822B

Packaging Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 7000 pieces max.

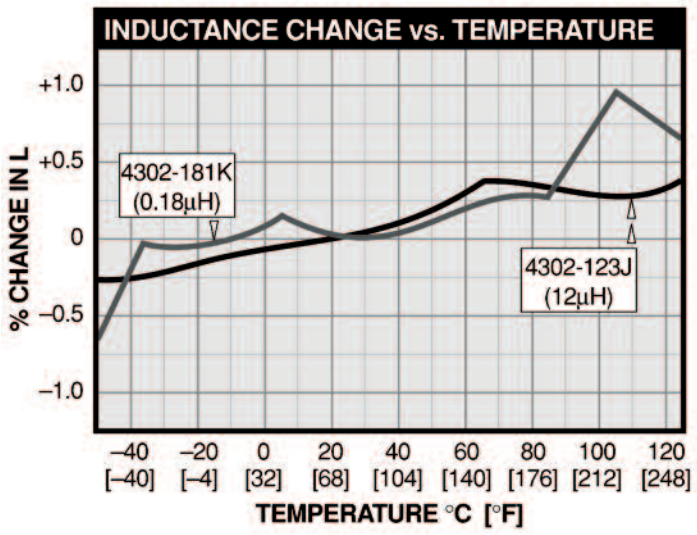
Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 4302 POWDERED IRON CORE						
-121K	0.12	40	25.0	400	0.130	1075
-151K	0.15	40	25.0	375	0.150	1000
-181K	0.18	40	25.0	325	0.165	955
-221K	0.22	40	25.0	270	0.175	925
-271K	0.27	40	25.0	240	0.190	890
-331K	0.33	40	25.0	180	0.200	865
-391K	0.39	40	25.0	160	0.220	825
-471K	0.47	40	25.0	130	0.240	790
-561K	0.56	40	25.0	115	0.295	710
-681K	0.68	40	25.0	105	0.320	685
-821K	0.82	40	25.0	95	0.510	540
-102K	1.0	30	7.9	80	0.550	520
-122K	1.2	30	7.9	75	0.600	500
-152K	1.5	30	7.9	70	0.730	455
-182K	1.8	30	7.9	60	0.800	430
-222K	2.2	30	7.9	50	1.25	345
-272K	2.7	30	7.9	45	1.60	305
-332K	3.3	30	7.9	40	1.85	285
-392K	3.9	30	7.9	35	2.10	265
-472K	4.7	30	7.9	30	2.30	255
-562K	5.6	30	7.9	26	3.00	225
-682K	6.8	30	7.9	22	3.50	205
-822K	8.2	30	7.9	20	4.00	195
-103K	10.0	30	7.9	18	4.50	180
-123K	12.0	20	2.5	16	7.50	140
-153K	15.0	20	2.5	14	9.00	125
-183K	18.0	20	2.5	12	11.00	115
-223K	22.0	20	2.5	11	12.00	110
-273K	27.0	20	2.5	10	13.00	105

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

For more detailed graphs, contact factory



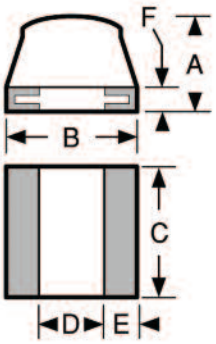
DELEVAN™ A REGAL REXNORD BRAND

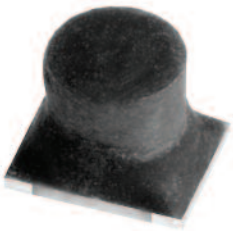
SERIES 4379R Micro i® / 4379 Micro i®

RoHS Compliant

Traditional First Quality

Shielded Surface Mount Inductors





Actual Size

Physical Parameters

	Inches	Millimeters
A	0.140 Max.	3.56 Max.
B	0.147 to 0.163	3.73 to 4.14
C	0.117 to 0.133	2.97 to 3.38
D	0.070 Min.	1.78 Min.
E	0.017 to 0.033	0.43 to 0.84
F	0.020 Max. (Typ.)	0.51 Max. (Typ.)

Current Rating at 90°C Ambient 35°C Rise

Operating Temperature –55°C to +125°C

Maximum Power Dissipation at 90°C 0.155 W

Termination Standard: Tin/Lead Sn63

Inductance Tolerance Desired tolerance is specified by substituting alpha characters in the part number: H=3%, J=5%, K=10%, and M=20%. Standard series tolerance is ±10%.

Mechanical Configuration Units are epoxy encapsulated. Contact area for reflow are solder coated. Internal connections are thermal compression bonded.

Notes 1) Designed specifically for reflow soldering and other high temperature processes with metalized edges to exhibit solder fillet. **2)** Self Resonant Frequency (SRF) values 260 MHz and above are calculated and for reference only.

Packaging Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.

MIL-PRF-83446/11 (Reference)

Made in the U.S.A.

Optional Tolerances: J = 5% H = 3%

*Complete part # must include series # PLUS the dash #

DASH NUMBER*	MIL DASH # (Reference)	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
M83446/11– (Ref.) SERIES 4379 FERRITE CORE & SLEEVE							
-101KS	62	0.10	79	25.0	600	0.03	1000
-121KS	63	0.12	79	25.0	520	0.03	1000
-151KS	64	0.15	79	25.0	490	0.03	1000
-181KS	65	0.18	79	25.0	460	0.04	1000
-221KS	66	0.22	79	25.0	430	0.04	1000
-271KS	67	0.27	88	25.0	370	0.04	1000
-331KS	68	0.33	93	25.0	310	0.05	750
-391KS	69	0.39	102	25.0	280	0.05	750
-471KS	70	0.47	106	25.0	260	0.05	750
-561KS	71	0.56	106	25.0	240	0.06	700
-681KS	72	0.68	106	25.0	200	0.06	700
-821KS	73	0.82	106	25.0	185	0.06	700
-102KS	74	1.0	106	25.0	175	0.09	650
-122KS	75	1.2	90	7.9	150	0.09	650
-152KS	76	1.5	100	7.9	135	0.14	600
-182KS	77	1.8	100	7.9	120	0.20	500
-222KS	78	2.2	100	7.9	105	0.30	400
-272KS	79	2.7	100	7.9	85	0.40	350
-332KS	80	3.3	100	7.9	80	0.46	330
-392KS	81	3.9	105	7.9	64	0.52	310
-472KS	82	4.7	115	7.9	56	0.54	300
-562KS	83	5.6	115	7.9	49	0.60	285
-682KS	84	6.8	115	7.9	45	0.66	270
-822KS	85	8.2	115	7.9	41	1.00	225
-103KS	86	10	100	7.9	39	1.20	200
-123KS	87	12	100	2.5	34	1.5	180
-153KS	88	15	100	2.5	30	1.8	170
-183KS	89	18	100	2.5	26	1.9	160
-223KS	90	22	105	2.5	23	2.1	150
-273KS	91	27	110	2.5	20	2.4	140
-333KS	92	33	120	2.5	18	2.7	130
-393KS	93	39	120	2.5	17	3.1	125
-473KS	94	47	120	2.5	16	3.2	125
-563KS	95	56	110	2.5	14	3.5	120
-683KS	96	68	110	2.5	12	4.0	111
-823KS	97	82	110	2.5	10	4.8	102
-104KS	98	100	110	2.5	9.4	5.7	93
-124KS	99	120	85	0.79	8.0	6.2	89
-154KS	100	150	85	0.79	8.0	6.3	89
-184KS	101	180	85	0.79	6.9	6.4	88
-224KS	102	220	85	0.79	6.1	7.4	82
-274KS	103	270	85	0.79	5.2	8.1	78
-334KS	104	330	100	0.79	4.6	8.8	75
-394KS	105	390	100	0.79	4.0	9.7	72
-474KS	106	470	100	0.79	3.6	10.0	69
-564KS	107	560	100	0.79	2.8	11.0	66
-684KS	108	680	100	0.79	2.3	12.0	64
-824KS	109	820	95	0.79	2.1	17.0	53
-105KS	110	1000	95	0.79	2.0	22.0	47
-125KS	111	1200	75	0.25	1.7	24.0	45
-155KS	112	1500	75	0.25	1.6	25.0	44
-185KS	113	1800	75	0.25	1.5	27.0	43
-225KS	114	2200	75	0.25	1.4	30.0	40
-275KS	115	2700	75	0.25	1.3	34.0	38
-335KS	116	3300	75	0.25	1.2	39.0	35
-395KS	117	3900	75	0.25	1.1	56.0	29
-475KS	118	4700	75	0.25	1.0	70.0	26
-565KS	119	5600	75	0.25	0.9	80.0	25
-685KS	120	6800	75	0.25	0.8	90.0	23
-825KS	121	8200	75	0.25	0.7	100.0	22
-106KS	122	10000	75	0.25	0.7	110.0	21

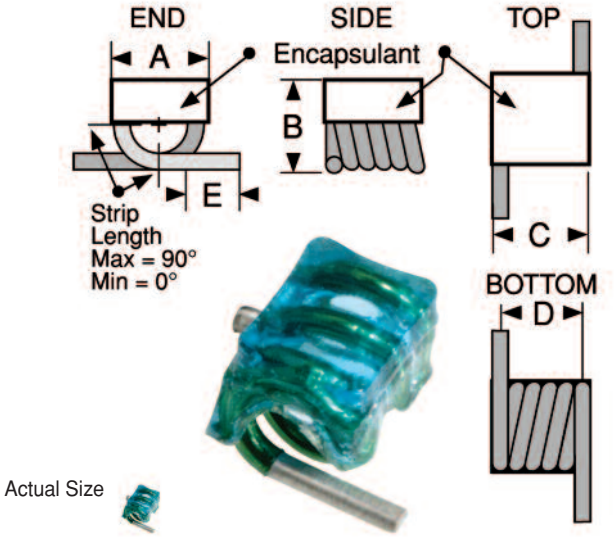
DELEVAN™ A REGAL REXNORD BRAND

SERIES 4426R 4426

RoHS Compliant

Traditional First Quality

Air Core Inductors



	Size A in.	Size A mm	Size B in. in.	Size B mm
A Max	0.120	3.05	0.120	3.05
B Max	0.125	3.18	0.125	3.18
C Max	0.145	3.68	0.270	6.86r
D	0.115±.010	2.92±.25	0.230±.010	5.84±.25
E	0.05±.015	1.27±.38	0.05±.015	1.27±.38
F	0.165	4.19	0.285	7.23
G	0.110	2.79	0.110	2.79
H	0.130	3.30	0.130	3.30
I	0.050	1.27	0.050	1.27
J	0.065	1.65	0.185	4.69

High Q, wire wound air cores Designed to operate over a wide frequency range. Standard flat cap top is suitable for automatic placement.

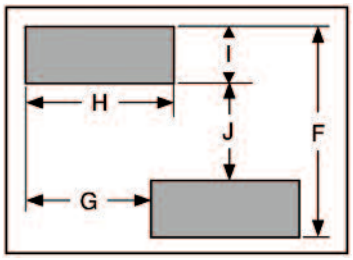
***Ordering** Suffix the dash number with NC to order option with no cap, for manual placement.

Operating Temperature Range –55°C to +125°C

Packaging Tape & reel
Size A, (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.;
Size B, (16mm): 7" reel, 400 pieces max.; 13" reel, 1400 pieces max.

DASH NUMBER*	TURNS (Ref.)	INDUCTANCE (nH)	TEST FREQUENCY (MHz)	Q Min.	SRF GHz, Min.	CURRENT RATING MAXIMUM (Amps)	SIZE CODE
SERIES 4426							
-1	1	2.5±10%	145	150	>3	3.0	A
-2	2	5.0±10%	140	150	>3	3.0	A
-3	3	8.0±5%	140	150	>3	3.0	A
-4	4	12.5±5%	137	150	>3	3.0	A
-5	5	18.5±5%	132	150	>3	3.0	A
-6	6	17.5±5%	100	150	>3	3.0	B
-7	7	22.0±5%	102	150	>3	3.0	B
-8	8	28.0±5%	105	150	2.6	3.0	B
-9	9	35.5±5%	112	150	1.8	3.0	B
-10	11	43.0±5%	106	150	1.5	3.0	B

*Complete part # must include series # PLUS the dash #



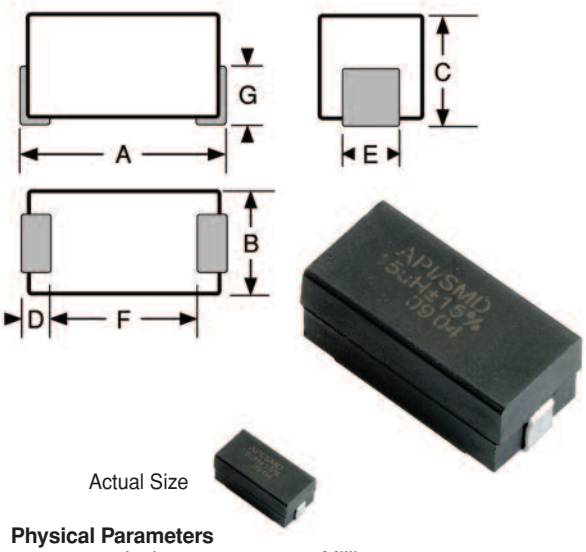
DELEVAN™ A REGAL REXNORD BRAND

SERIES S4924R S4924

RoHS Compliant

Traditional First Quality

Shielded Surface Mount Inductors



Physical Parameters

	Inches	Millimeters
A	0.490 to 0.520	12.44 to 13.21
B	0.230 to 0.250	5.84 to 6.35
C	0.210 to 0.230	5.33 to 5.84
D	0.050 Min.	1.27 Min.
E	0.055 to 0.095	1.397 to 2.413
F	0.330 (Ref. only)	8.38 (Ref. only)
G	0.120 (Ref. only)	3.04 (Ref. only)

Mechanical Configuration
Units are encapsulated in an epoxy molded surface mount package

Operating Temperature Range
–55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.385 W

Incremental Current Current which causes a max. of 5% change in Inductance

Dielectric Withstanding Voltage 1000V RMS Min.

Inductance Tolerance Tolerance is specified by suffixing an alpha character to the part number as follows: H = 3% and J = 5%. Units are normally supplied to the tolerance indicated in table.

Coupling 3% Max.

Marking Delevan; S4924; dash number; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: S4924-184J
DELEVAN
S4924
184
0226B

Packaging Tape & reel (24mm): 13" reel, 800 pieces max.; 7" reel not available

Made In the U.S.A.

Optional Tolerances: J = 5% H = 3%

*Complete part # must include series # PLUS the dash #

DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)	INCREMENTAL CURRENT (mA)
SERIES S4924 PHENOLIC CORE - IRON SLEEVE							
-101K	0.10	50	25.0	450	0.025	3900	3900
-121K	0.12	50	25.0	425	0.034	3345	3345
-151K	0.15	50	25.0	400	0.037	3195	3195
-181K	0.18	50	25.0	350	0.047	2835	2835
-221K	0.22	49	25.0	325	0.067	2385	2385
-271K	0.27	47	25.0	300	0.11	1855	1855
-331K	0.33	46	25.0	275	0.13	1705	1705
-391K	0.39	44	25.0	250	0.18	1450	1450
-471K	0.47	44	25.0	235	0.25	1235	1235
-561K	0.56	43	25.0	210	0.33	1075	1075
-681K	0.68	42	25.0	190	0.45	915	915
-821K	0.82	40	25.0	180	0.59	800	800
SERIES S4924 IRON CORE - IRON SLEEVE							
-102K	1.00	44	25.0	140	0.07	2320	2320
-122K	1.20	44	7.9	130	0.10	1920	1920
-152K	1.50	44	7.9	115	0.12	1780	1780
-182K	1.80	44	7.9	105	0.14	1650	1650
-222K	2.20	44	7.9	100	0.19	1420	1420
-272K	2.70	44	7.9	92	0.28	1160	1160
-332K	3.30	44	7.9	85	0.35	1045	1045
-392K	3.90	44	7.9	75	0.40	970	970
-472K	4.70	44	7.9	70	0.55	830	830
-562K	5.60	44	7.9	65	0.72	725	725
-682K	6.80	50	7.9	55	1.02	610	610
-822K	8.20	50	7.9	50	1.32	535	535
-103K	10.0	50	7.9	46	1.62	485	485
-123K	12.0	55	2.5	44	2.0	440	440
SERIES S4924 FERRITE CORE - FERRITE SLEEVE							
-153K	15.0	45	2.5	49	0.8	618	300
-183K	18.0	45	2.5	45	0.89	580	250
-223K	22.0	45	2.5	41	0.96	561	210
-273K	27.0	45	2.5	38	1.19	504	195
-333K	33.0	45	2.5	34	1.37	471	160
-393K	39.0	50	2.5	29	1.93	397	150
-473K	47.0	50	2.5	27	2.11	380	135
-563K	56.0	50	2.5	25	2.23	369	124
-683K	68.0	50	2.5	21	2.70	355	122
-823K	82.0	50	2.5	10.5	2.44	342	120
-104K	100.0	50	2.5	10.0	3.12	312	113
-124K	120.0	55	0.79	9.7	3.6	291	98
-154K	150.0	55	0.79	8.5	4.1	272	84
-184K	180.0	55	0.79	8.0	4.4	263	76
-224K	220.0	55	0.79	7.5	5.0	247	67
-274K	270.0	55	0.79	7.0	5.8	228	60
-334K	330.0	55	0.79	6.5	6.4	218	55
-394K	390.0	60	0.79	6.2	7.4	203	46
-474K	470.0	60	0.79	5.7	9.5	178	43
-564K	560.0	60	0.79	4.7	10.5	171	40
-684K	680.0	60	0.79	4.5	11.8	160	38
-824K	820.0	60	0.79	4.2	13.0	152	33
-105K	1000.0	60	0.79	3.8	17.5	134	29
-125K	1200.0	50	0.25	3.0	22.1	120	28
-155K	1500.0	50	0.25	2.8	26.5	115	27
-185K	1800.0	50	0.25	2.6	29.9	110	24
-225K	2200.0	50	0.25	2.4	33.8	104	22
-275K	2700.0	50	0.25	2.2	47.3	88	20
-335K	3300.0	50	0.25	2.0	53.0	85	19
-395K	3900.0	50	0.25	1.9	73.8	72	17
-475K	4700.0	50	0.25	1.7	81.6	68	15
-565K	5600.0	50	0.25	1.6	98.9	61	14
-685K	6800.0	50	0.25	1.4	111.0	59	13
-825K	8200.0	50	0.25	1.2	119.0	57	12
-106K	10000.0	50	0.25	1.0	137.0	54	11
-126K	12000.0	30	0.079	0.80	143.0	50	9
-156K	15000.0	30	0.079	0.60	157.0	48	8
-186K	18000.0	30	0.079	0.55	225.0	46	7
-226K	22000.0	27	0.079	0.50	274.0	37	7
-276K	27000.0	27	0.079	0.40	308.0	35	7

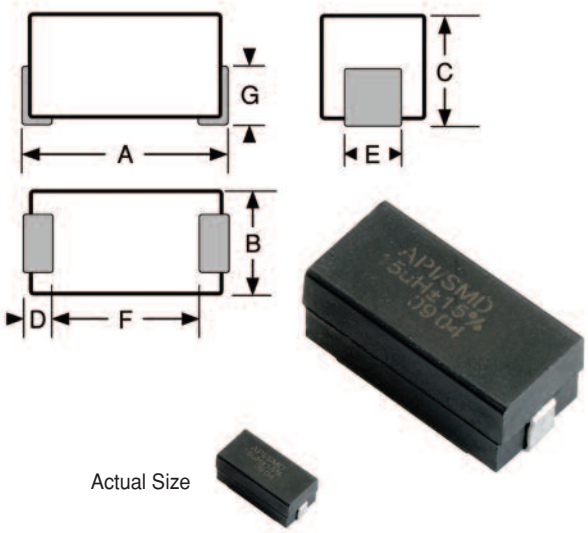
DELEVAN™
A REGAL REXNORD BRAND

SERIES 5022R 5022

RoHS Compliant

Traditional First Quality

Surface Mountable Inductors



Physical Parameters

	Inches	Millimeters
A	0.490 to 0.520	12.44 to 13.21
B	0.230 to 0.250	5.84 to 6.35
C	0.210 to 0.230	5.33 to 5.84
D	0.050 Min.	1.27 Min.
E	0.055 to 0.095	1.397 to 2.413
F	0.330 (Ref. only)	8.38 (Ref. only)
G	0.120 (Ref. only)	3.04 (Ref. only)

Weight Max. (Grams) 1.5

Mechanical Configuration Units are encapsulated in an epoxy molded surface mount package.

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.405 W

Marking Delevan; 5022; dash number; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 5022R-102G

DELEVAN
5022
102
R0542A

Packaging Tape & reel (24mm): 13" reel, 800 pieces max.; 7" reel not available

Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±5%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 5022 PHENOLIC CORE						
-151J	0.15	50	25.0	525	0.030	3500
-161J	0.16	50	25.0	525	0.040	3025
-181J	0.18	50	25.0	500	0.043	2915
-201J	0.20	50	25.0	475	0.047	2790
-221J	0.22	50	25.0	450	0.055	2580
-241J	0.24	45	25.0	415	0.060	2470
-271J	0.27	45	25.0	400	0.070	2285
-301J	0.30	45	25.0	380	0.080	2140
-331J	0.33	45	25.0	360	0.090	2015
-361J	0.36	45	25.0	345	0.098	1935
-391J	0.39	45	25.0	330	0.100	1915
-431J	0.43	45	25.0	315	0.110	1825
-471J	0.47	45	25.0	310	0.120	1750
-511J	0.51	45	25.0	300	0.130	1680
-561J	0.56	50	25.0	280	0.135	1645
-621J	0.62	50	25.0	260	0.140	1615
-681J	0.68	50	25.0	250	0.150	1555
-751J	0.75	50	25.0	230	0.180	1425
-821J	0.82	50	25.0	220	0.220	1300
-911J	0.91	50	25.0	210	0.240	1240
-102J	1.00	50	25.0	200	0.290	1125
-112J	1.10	33	7.9	190	0.420	930
-122J	1.20	33	7.9	180	0.420	930
-132J	1.30	33	7.9	170	0.480	875
-152J	1.50	33	7.9	160	0.500	855
-162J	1.60	33	7.9	155	0.600	780
-182J	1.80	33	7.9	150	0.650	755
-202J	2.00	33	7.9	140	0.800	675
-222J	2.20	33	7.9	135	0.950	620
-242J	2.40	33	7.9	130	1.100	575
-272J	2.70	33	7.9	120	1.200	550
-302J	3.00	33	7.9	115	1.800	455
-332J	3.30	33	7.9	110	2.000	430
-362J	3.60	33	7.9	105	2.150	415
-392J	3.90	33	7.9	100	2.300	395
-432J	4.30	33	7.9	95	2.400	390
-472J	4.70	33	7.9	90	2.600	375

Optional Tolerances: H = 3% G = 2% F = 1%

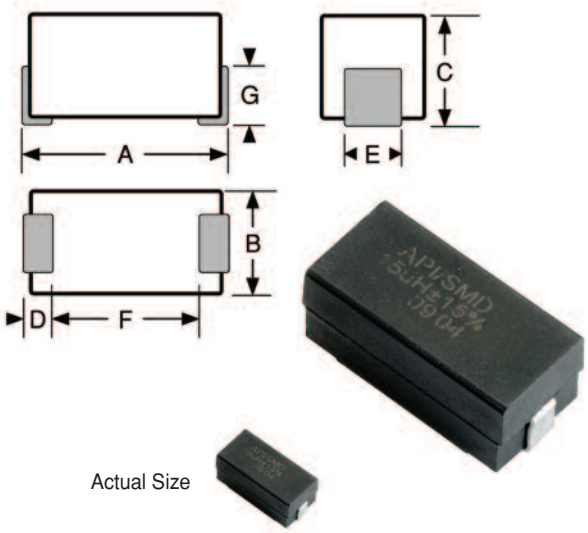
*Complete part # must include series # PLUS the dash #

SERIES 5022R 5022

RoHS Compliant

Traditional First Quality

Surface Mountable Inductors



Actual Size

DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 5022 IRON CORE						
-512J	5.10	35	7.9	65	0.300	1040
-562J	5.60	45	7.9	60	0.320	1030
-622J	6.20	45	7.9	60	0.470	830
-682J	6.80	50	7.9	55	0.500	820
-752J	7.50	50	7.9	55	0.550	765
-822J	8.20	50	7.9	50	0.600	748
-912J	9.10	55	7.9	50	0.800	638
-103J	10.0	55	7.9	45	0.900	610
-113J	11.0	60	2.5	44	1.050	565
-123J	12.0	65	2.5	42	1.100	555
-133J	13.0	65	2.5	40	1.200	520
-153J	15.0	65	2.5	40	1.400	495
-163J	16.0	70	2.5	38	1.800	420
-183J	18.0	75	2.5	34	2.250	388
-203J	20.0	75	2.5	30	2.500	372
-223J	22.0	75	2.5	30	2.500	368
-243J	24.0	60	2.5	26	2.500	368
-273J	27.0	60	2.5	25	2.600	360
-303J	30.0	65	2.5	21	2.800	348
-333J	33.0	65	2.5	19	3.000	337
-363J	36.0	60	2.5	15.5	2.500	368
-393J	39.0	60	2.5	14.5	2.600	361
-433J	43.0	60	2.5	13.7	2.700	353
-473J	47.0	55	2.5	13.0	2.750	351
-513J	51.0	55	2.5	12.7	2.850	344
-563J	56.0	55	2.5	12.0	3.000	335
-623J	62.0	55	2.5	11.5	3.150	328
-683J	68.0	55	2.5	11.0	3.300	320
-753J	75.0	55	2.5	10.5	3.700	302
-823J	82.0	50	2.5	10.3	3.900	295
-913J	91.0	50	2.5	10.0	4.300	280
-104J	100.0	50	2.5	9.5	4.500	275
-114J	110.0	60	0.79	8.9	4.900	262
-124J	120.0	65	0.79	8.7	5.200	255
-134J	130.0	65	0.79	8.5	5.450	250
-154J	150.0	65	0.79	8.0	6.050	237
-164J	160.0	65	0.79	7.5	6.400	230
-184J	180.0	65	0.79	7.0	6.750	224
-204J	200.0	65	0.79	6.5	7.100	219
-224J	220.0	65	0.79	6.2	7.450	213
-244J	240.0	65	0.79	5.9	7.800	210
-274J	270.0	65	0.79	5.7	11.000	182
-304J	300.0	65	0.79	5.4	11.500	178
-334J	330.0	65	0.79	5.1	12.000	173
-364J	360.0	65	0.79	4.8	12.500	171
-394J	390.0	65	0.79	4.5	16.300	149
-434J	430.0	65	0.79	4.2	17.100	147
-474J	470.0	65	0.79	3.9	17.900	143
-514J	510.0	65	0.79	3.7	18.800	139
-564J	560.0	65	0.79	3.8	19.500	136
-624J	620.0	65	0.79	3.3	25.900	119
-684J	680.0	65	0.79	3.1	27.200	116
-754J	750.0	65	0.79	2.9	28.600	112
-824J	820.0	65	0.79	2.7	30.000	110
-914J	910.0	65	0.79	2.5	31.500	107
-105J	1000.0	65	0.79	2.3	33.000	105

Optional Tolerances: H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

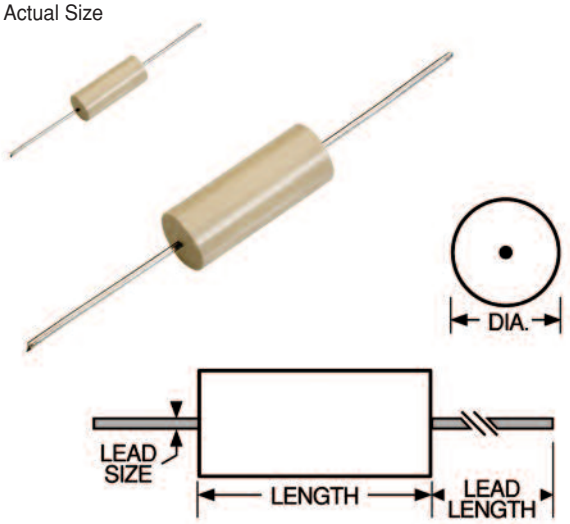
SERIES 511R 511

RoHS Compliant

Traditional First Quality

Molded Unshielded RF Coils

Actual Size



Physical Parameters

Inches	Millimeters	
Length	0.375 ± 0.010	9.53 ± 0.25
Diameter	0.156 ± 0.010	3.96 ± 0.25
Lead Size		
AWG #22 TCW	0.025 ± 0.002	0.635 ± 0.051
Lead Length	1.44 ± 0.12	36.58 ± 3.05

Current Rating at 90°C Ambient
Phenolic 35°C Rise
Iron 15°C Rise

Operating Temperature Range
Phenolic –55°C to +125°C;
Iron –55°C to +105°C

Maximum Power Dissipation at 90°C
Phenolic 0.312 W
Iron 0.134 W

Weight Max. (Grams) 0.9

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 511-16J

Front:	*Reverse:*
DELEVAN	4.3uH±5%
4.3uH±5%	0628C

Packaging Tape & reel: 12" reel, 2500 pieces max.; 14" reel, 4000 pieces max.

Made in the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±5%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 511 PHENOLIC CORE						
-2J	0.16	50	25.0	525	0.040	2370
-3J	0.18	50	25.0	500	0.043	2285
-4J	0.20	50	25.0	475	0.047	2185
-6J	0.24	45	25.0	415	0.060	1935
-7J	0.27	45	25.0	400	0.070	1790
-8J	0.30	45	25.0	380	0.080	1675
-10J	0.36	45	25.0	345	0.098	1515
-11J	0.39	45	25.0	330	0.100	1500
-12J	0.43	45	25.0	315	0.110	1430
-14J	0.51	45	25.0	300	0.130	1315
-16J	0.62	50	25.0	260	0.140	1265
-18J	0.75	50	25.0	230	0.180	1115
-20J	0.91	50	25.0	210	0.240	970
-22J	1.10	33	7.9	190	0.420	730
-24J	1.30	33	7.9	170	0.480	685
-26J	1.60	33	7.9	155	0.600	610
-28J	2.00	33	7.9	140	0.800	530
-30J	2.40	33	7.9	130	1.100	450
-32J	3.00	33	7.9	115	1.800	355
-34J	3.60	33	7.9	105	2.150	325
-36J	4.30	33	7.9	95	2.400	305
SERIES 511 IRON CORE						
-38J	5.10	35	7.9	65	0.360	570
-40J	6.20	45	7.9	60	0.470	455
-42J	7.50	50	7.9	55	0.550	420
-44J	9.10	55	7.9	50	0.800	350
-46J	11.0	60	2.5	44	1.050	310
-48J	13.0	65	2.5	40	1.200	285
-50J	16.0	70	2.5	38	1.800	230
-52J	20.0	75	2.5	30	2.500	195

Optional Tolerances: H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

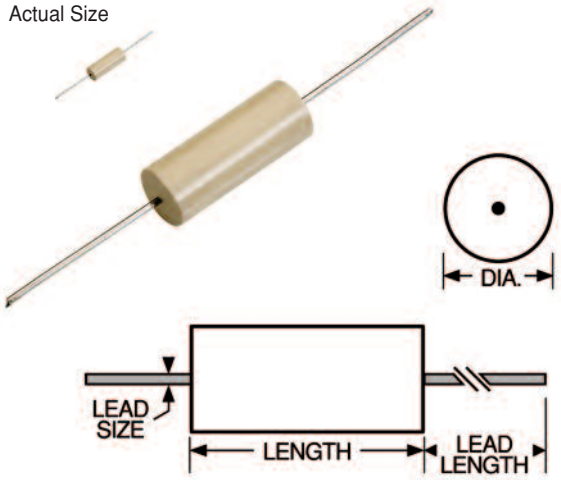
SERIES 0819R 0819

RoHS Compliant

Traditional First Quality

Molded Unshielded RF Coils

Actual Size



Physical Parameters

	Inches	Millimeters
Length	0.200 ± 0.010	5.08 ± 0.25
Diameter	0.078 ± 0.008	1.98 ± 0.20
Lead Size		
AWG #24 TCW	0.020 ± 0.0015	0.508 ± 0.038
Lead Length	1.5 ± 0.12	38.10 ± 3.05

Current Rating at 90°C Ambient
Phenolic: 35°C Rise
Iron and Ferrite: 15°C Rise

Operating Temperature Range
Phenolic: –55°C to +125°C
Iron and Ferrite: –55°C to +105°C

Maximum Power Dissipation at 90°C
Phenolic: 0.145 W
Iron and Ferrite: 0.062 W

Weight Max. (Grams)
Phenolic: 0.19
Iron and Ferrite: 0 .22

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 0819-32K

Front:	*Reverse:*
DELEVAN	0850B
2.2uH±10%	

Packaging Tape & reel: 12" reel, 3500 pieces max.; 14" reel, 6000 pieces max.

Made in the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 0819 PHENOLIC CORE						
-00K	0.10	35	25.0	680	0.13	895
-02K	0.12	35	25.0	650	0.15	835
-04K	0.15	35	25.0	560	0.18	760
-06K	0.18	35	25.0	540	0.21	705
-08K	0.22	30	25.0	500	0.25	645
-10K	0.27	30	25.0	440	0.38	525
-12K	0.33	25	25.0	410	0.49	460
-14K	0.39	25	25.0	380	0.59	420
-16K	0.47	25	25.0	340	0.62	410
SERIES 0819 IRON CORE						
-18K	0.56	40	25.0	250	0.18	510
-20K	0.68	40	25.0	215	0.20	485
-22K	0.82	40	25.0	200	0.22	465
-24K	1.0	40	25.0	190	0.25	435
-26K	1.2	35	7.9	170	0.28	410
-28K	1.5	40	7.9	150	0.49	310
-30K	1.8	40	7.9	135	0.56	290
-32K	2.2	45	7.9	130	0.72	257
-34K	2.7	45	7.9	110	0.85	236
-36K	3.3	45	7.9	100	1.2	198
-38K	3.9	50	7.9	95	1.5	178
-40K	4.7	55	7.9	88	2.1	150
-42K	5.6	55	7.9	78	2.8	130
-44K	6.8	55	7.9	69	3.2	122
-46K	8.2	45	7.9	52	4.4	104
-48K	10.0	45	7.9	47	5.2	95
SERIES 0819 FERRITE CORE						
-50K	12.0	40	2.5	31.0	3.0	126.0
-52K	15.0	40	2.5	26.0	3.4	118.0
-54K	18.0	40	2.5	23.0	3.8	112.0
-56K	22.0	45	2.5	20.0	4.3	105.0
-58K	27.0	45	2.5	17.0	4.7	100.0
-60K	33.0	45	2.5	15.0	5.2	95.0
-62K	39.0	45	2.5	13.5	6.8	83.5
-64K	47.0	45	2.5	12.5	8.2	76.0
-66K	56.0	45	2.5	11.5	10.0	69.0
-68K	68.0	45	2.5	10.5	11.5	64.0
-70K	82.0	45	2.5	10.0	16.0	54.5
-72K	100.0	45	2.5	9.5	17.5	52.0
-74K	120.0	35	0.79	8.9	16.0	54.5
-76K	150.0	35	0.79	7.9	18.0	51.0
-78K	180.0	35	0.79	7.5	20.0	49.0
-80K	220.0	35	0.79	7.1	26.5	42.5
-82K	270.0	35	0.79	6.6	30.5	39.0
-84K	330.0	35	0.79	6.2	40.5	34.0
-86K	390.0	35	0.79	5.9	43.0	33.0
-88K	470.0	35	0.79	5.4	48.0	31.5
-90K	560.0	35	0.79	5.0	60.0	28.0
-92K	680.0	35	0.79	4.5	66.0	27.0
-94K	820.0	35	0.79	3.9	72.0	25.5
-96K	1000.0	35	0.79	3.3	79.0	24.5

Optional Tolerances: J= 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

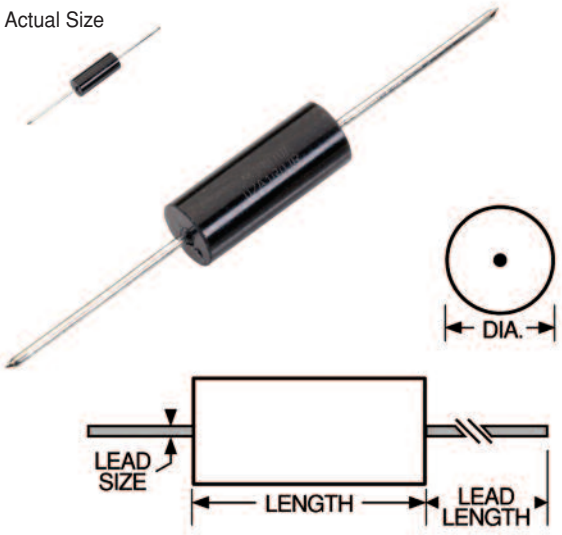
SERIES 0925R 0925

RoHS Compliant

MILITARY QPL APPROVED

Molded Shielded RF Coils

Actual Size



Military Specifications
MS21426 (LT10K); MS21427 (LT10K)

Physical Parameters

	Inches	Millimeters
Length	0.250 ± 0.010	6.35 ± 0.25
Diameter	0.095 ± 0.010	2.41 ± 0.25
Lead Size		
AWG #24 TCW	0.020 ± 0.0015	0.508 ± 0.038
Lead Length	1.5 ± 0.12	38.10 ± 3.05

Current Rating at 90°C Ambient 15°C Rise

Operating Temperature Range –55°C to +105°C

Maximum Power Dissipation at 90°C 0.0585 W

Weight Max. (Grams) 0.25

Incremental Current Current level which causes a Max. of 5% change in inductance.

Coupling 3% Max.

† Self Resonant Frequency (SRF) values are calculated and to be used for reference only.

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 0925R-472K

Front:	*Reverse:*
DELEVAN	4.7uH±10%
4.7uH±10%	R 0902A

Packaging Tape & reel: 12" reel, 3500 pieces max.; 14" reel, 6000 pieces max.

Made in the U.S.A.

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)	INCREMENTAL CURRENT (mA)
MS21426– SERIES 0925 IRON CORE & SLEEVE (LT10K)								
-101K	1	0.10	54	25.0	490.0†	0.10	670	670
-121K	2	0.12	52	25.0	430.0†	0.11	635	635
-151K	3	0.15	50	25.0	415.0†	0.12	610	610
-181K	4	0.18	49	25.0	375.0†	0.13	585	585
-221K	5	0.22	47	25.0	330.0†	0.15	545	545
-271K	6	0.27	46	25.0	300.0†	0.16	530	530
-331K	7	0.33	44	25.0	260.0†	0.18	495	495
-391K	8	0.39	42	25.0	230.0	0.19	485	485
-471K	9	0.47	41	25.0	220.0	0.21	460	460
-561K	10	0.56	41	25.0	210.0	0.23	440	440
-681K	11	0.68	39	25.0	180.0	0.24	430	430
-821K	12	0.82	38	25.0	165.0	0.27	405	405
-102K	13	1.00	37	25.0	150.0	0.30	385	385
-122K	14	1.20	40	7.9	130.0	0.73	247	247
-152K	15	1.50	41	7.9	115.0	0.86	228	228
-182K	16	1.80	43	7.9	105.0	0.95	217	217
-222K	17	2.20	45	7.9	95.0	1.10	202	202
-272K	18	2.70	48	7.9	90.0	1.20	193	193
-332K	19	3.30	49	7.9	80.0	1.30	185	185
-392K	20	3.90	50	7.9	75.0	1.50	173	173
-472K	21	4.70	53	7.9	70.0	2.40	136	136
-562K	22	5.60	54	7.9	60.0	2.90	124	124
-682K	23	6.80	55	7.9	55.0	3.20	118	118
-822K	24	8.20	55	7.9	53.0	3.60	111	111
-103K	25	10.0	57	7.9	50.0	4.00	106	106
-123K	26	12.0	36	2.5	35.0	3.00	122	122
-153K	27	15.0	38	2.5	30.0	3.40	115	115
-183K	28	18.0	40	2.5	26.0	3.80	108	108
-223K	29	22.0	40	2.5	24.0	4.90	96	96
-273K	30	27.0	40	2.5	21.0	5.80	88	88
-333K	31	33.0	41	2.5	20.0	6.50	83	83
-393K	32	39.0	42	2.5	19.0	7.90	75	75
-473K	33	47.0	44	2.5	16.0	9.30	69	69
-563K	34	56.0	44	2.5	15.0	11.0	64	64
-683K	35	68.0	45	2.5	13.0	12.0	61	61
-823K	36	82.0	45	2.5	11.0	13.0	59	59
-104K	37	100.0	40	2.5	10.5	16.8	51	51
MS21427– SERIES 0925 FERRITE CORE & SLEEVE (LT10K)								
-124K	1	120.0	31	0.79	13.0	5.80	88	27
-154K	2	150.0	33	0.79	12.0	7.90	75	24
-184K	3	180.0	33	0.79	11.0	9.40	69	22
-224K	4	220.0	35	0.79	10.0	11.0	64	20
-274K	5	270.0	37	0.79	9.0	12.0	61	18
-334K	6	330.0	40	0.79	8.0	16.0	53	16
-394K	7	390.0	38	0.79	7.8	21.0	46	14
-474K	8	470.0	36	0.79	7.5	24.0	43	13
-564K	9	560.0	36	0.79	7.0	28.0	40	12

Parts listed above are QPL/MIL qualified

Optional Tolerances: J = 5% H = 3%

*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

SERIES 1025R, 1026R
1025
1026

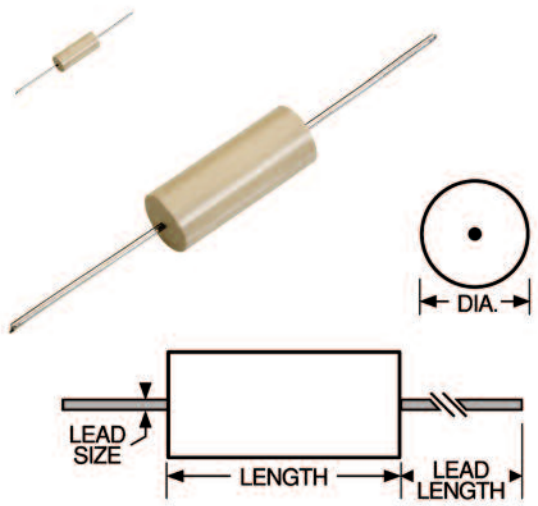
RoHS Compliant

MILITARY QPL APPROVED

Traditional First Quality

Molded Unshielded RF Coils

Actual Size



Military Specifications (1025 Series Only)
MS75083 (LT4K); MS75084 (LT10K); MS75085 (LT10K)

Physical Parameters

	Inches	Millimeters
Length	0.250 ± 0.010	6.35 ± 0.25
Diameter	0.095 ± 0.010	2.41 ± 0.25
Lead Size		
AWG #24 TCW	0.020 ± 0.0015	0.508 ± 0.038
Lead Length	1.5 ± 0.12	38.1 ± 3.05

Current Rating at 90°C Ambient
LT4K 35°C Rise
LT10K 15°C Rise

Operating Temperature Range
LT4K –55°C to +125°C
LT10K –55°C to +105°C

Maximum Power Dissipation at 90°C
Phenolic: LT4K 0.21 W
Iron: LT10K 0.09 W
Ferrite: LT10K 0.073 W

Weight Max. (Grams) 0.3

• **For in-between values** see Series 1782 (page 41)

Note (1026 Series only) Self Resonant Frequency (SRF) values are calculated and for reference only.

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 1025R-16K

Front:	*Reverse:*
DELEVAN	2.2uH±10%
2.2uH±10%	R 0850B

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH)	TOLERANCE	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
MS75083– SERIES 1025 PHENOLIC CORE (LT4K)								
-94K	1	0.10	±10%	40	25.0	680.0	0.08	1380
-96K	2	0.12	±10%	40	25.0	640.0	0.09	1300
-00K	3	0.15	±10%	38	25.0	600.0	0.10	1230
-02K	4	0.18	±10%	35	25.0	550.0	0.12	1120
-04K	5	0.22	±10%	33	25.0	510.0	0.14	1040
-06K	6	0.27	±10%	33	25.0	430.0	0.16	975
-08K	7	0.33	±10%	30	25.0	410.0	0.22	830
-10K	8	0.39	±10%	30	25.0	365.0	0.30	710
-12K	9	0.47	±10%	30	25.0	330.0	0.35	660
-14K	10	0.56	±10%	30	25.0	300.0	0.50	550
-16K	11	0.68	±10%	28	25.0	275.0	0.60	500
-18K	12	0.82	±10%	28	25.0	250.0	0.85	420
-20K	13	1.0	±10%	25	25.0	230.0	1.00	390
MS75084– SERIES 1025 IRON CORE (LT10K)								
-22K	1	1.2	±10%	25	7.9	150.0	0.18	620
-24K	2	1.5	±10%	28	7.9	140.0	0.22	560
-26K	3	1.8	±10%	30	7.9	125.0	0.30	480
-28K	4	2.2	±10%	30	7.9	115.0	0.40	415
-30K	5	2.7	±10%	37	7.9	100.0	0.55	355
-32K	6	3.3	±10%	45	7.9	90.0	0.85	285
-34K	7	3.9	±10%	45	7.9	80.0	1.00	263
-36K	8	4.7	±10%	45	7.9	75.0	1.20	239
-38K	9	5.6	±10%	50	7.9	65.0	1.80	195
-40K	10	6.8	±10%	50	7.9	60.0	2.00	185
-42K	11	8.2	±10%	55	7.9	55.0	2.70	160
-44K	12	10.0	±10%	55	7.9	50.0	3.30	144
-46K	13	12.0	±10%	45	2.5	40.0	2.70	160
-48K	14	15.0	±10%	45	2.5	35.0	2.80	157
-50K	15	18.0	±10%	50	2.5	30.0	3.10	149
-52K	16	22.0	±10%	50	2.5	25.0	3.30	144
-54K	17	27.0	±10%	50	2.5	20.0	3.50	140
MS75085– SERIES 1025 FERRITE CORE (LT10K)								
-56K	1	33.0	±10%	45	2.5	24.0	3.40	130
-58K	2	39.0	±10%	45	2.5	22.0	3.60	125
-60K	3	47.0	±10%	45	2.5	20.0	4.50	110
-62K	4	56.0	±10%	45	2.5	18.0	5.70	100
-64K	5	68.0	±10%	50	2.5	15.0	6.70	92
-66K	6	82.0	±10%	50	2.5	14.0	7.30	88
-68K	7	100.0	±10%	50	2.5	13.0	8.00	84
-70K	8	120.0	±10%	30	0.79	12.0	13.00	66
-72K	9	150.0	±10%	30	0.79	11.0	15.00	61
-74K	10	180.0	±10%	30	0.79	10.0	17.00	57
-76K	11	220.0	±10%	30	0.79	9.0	21.00	52
-78K	12	270.0	±10%	30	0.79	8.0	25.00	47
-80K	13	330.0	±10%	30	0.79	7.0	28.00	45
-82K	14	390.0	±10%	30	0.79	6.5	35.00	40
-84K	15	470.0	±10%	30	0.79	6.0	42.00	36
-86K	16	560.0	±10%	30	0.79	5.0	46.00	35
-88K	17	680.0	±10%	30	0.79	4.2	60.00	30
-90K	18	820.0	±10%	30	0.79	3.8	65.00	29
-92K	19	1000.0	±10%	30	0.79	3.4	72.00	28
SERIES 1026 PHENOLIC CORE (LT4K)								
-00M		0.022	±20%	50	50.0	900.0	0.010	3800
-02K		0.027	±10%	40	25.0	875.0	0.030	2200
-04K		0.033	±10%	40	25.0	850.0	0.035	2000
-06K		0.039	±10%	40	25.0	825.0	0.040	1900
-08K		0.047	±10%	40	25.0	800.0	0.045	1800
-10K		0.056	±10%	40	25.0	775.0	0.050	1700
-12K		0.068	±10%	40	25.0	750.0	0.060	1500
-14K		0.082	±10%	40	25.0	725.0	0.070	1400

Packaging Tape & reel: 12" reel, 3500 pieces max.; 14" reel, 6000 pieces max.

Made in the U.S.A.

270 Quaker Rd., East Aurora NY 14052 • Phone 716-652-3600 • Fax 716-652-4814 • E-mail: Delevan.Sales@regalrexnord.com • www.delevan.com

DELEVAN™
A REGAL REXNORD BRAND

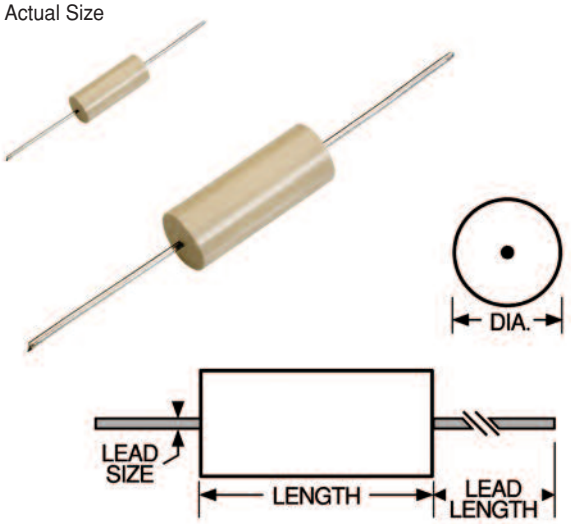
SERIES 1537R 1537

RoHS Compliant

MILITARY QPL APPROVED

Molded Unshielded RF Coils

Actual Size



Military Specifications MS14046 (LT10K); MS18130 (LT4K); MS90538 (LT10K);
g No MS # Issued

Physical Parameters

	Inches	Millimeters
Length	0.375 ± 0.010	9.53 ± 0.25
Diameter	0.156 ± 0.010	3.96 ± 0.25
Lead Size		
AWG #22 TCW	0.025 ± 0.002	0.635 ± 0.051
Lead Length	1.44 ± 0.12	36.58 ± 3.05

Current Rating at 90°C Ambient
LT4K 35°C Rise
LT10K 15°C Rise

Operating Temperature Range
LT4K –55°C to +125°C;
LT10K –55°C to +105°C

Maximum Power Dissipation at 90°C
LT4K 0.312 W
LT10K 0.134 W

Weight Max. (Grams) 0.9

• **For in-between values,** see Series 511 (page 44)

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 1537-00J

Front:	*Reverse:*
DELEVAN	.15uH±5%
.15uH±5%	0841A

Packaging Tape & reel: 12" reel, 2500 pieces max.; 14" reel, 4000 pieces max.

Made in the U.S.A.

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH)	TOLERANCE	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
MS18130– SERIES 1537 PHENOLIC CORE (LT4K)								
-00M	1	0.15	± 20%	50	25.0	525.0	0.03	2740
-02M	2	0.22	± 20%	50	25.0	450.0	0.055	2020
-04M	3	0.33	± 20%	45	25.0	360.0	0.09	1580
-06M	4	0.47	± 20%	45	25.0	310.0	0.12	1370
-07K	5	0.56	± 10%	50	25.0	280.0	0.135	1290
-08K	6	0.68	± 10%	50	25.0	250.0	0.15	1220
-10K	7	0.82	± 10%	50	25.0	220.0	0.22	1020
-12K	8	1.00	± 10%	50	25.0	200.0	0.29	880
-14K	9	1.20	± 10%	33	7.9	180.0	0.42	730
-16K	10	1.50	± 10%	33	7.9	160.0	0.50	670
-18K	11	1.80	± 10%	33	7.9	150.0	0.65	590
-20K	12	2.20	± 10%	33	7.9	135.0	0.95	485
-22K	13	2.70	± 10%	33	7.9	120.0	1.20	430
-24K	14	3.30	± 10%	33	7.9	110.0	2.00	335
-26K	15	3.90	± 10%	33	7.9	100.0	2.30	310
-28K	16	4.70	± 10%	33	7.9	90.0	2.60	294
MS14046– SERIES 1537 IRON CORE (LT10K)								
-30K	1	5.60	± 10%	45	7.9	60.0	0.32	565
-32K	2	6.80	± 10%	50	7.9	55.0	0.50	450
-34K	3	8.20	± 10%	50	7.9	50.0	0.60	410
-36K	4	10.0	± 10%	55	7.9	45.0	0.90	335
-38K	5	12.0	± 10%	65	2.5	42.0	1.10	305
-40K	6	15.0	± 10%	65	2.5	40.0	1.40	271
-42K	7	18.0	± 10%	75	2.5	34.0	2.25	213
-44K	8	22.0	± 10%	75	2.5	30.0	2.50	202
-46J	◐	24.0	± 5%	60	2.5	26.0	2.50	202
-47K	9	27.0	± 10%	60	2.5	25.0	2.60	198
-48J	◐	27.0	± 5%	60	2.5	25.0	2.60	198
-50J	◐	30.0	± 5%	65	2.5	21.0	2.80	191
-51K	10	33.0	± 10%	65	2.5	19.0	3.00	185
-52J	◐	33.0	± 5%	65	2.5	19.0	3.00	185
MS90538– SERIES 1537 IRON CORE (LT10K)								
-54J	1	36.0	± 5%	60	2.5	15.5	2.50	202
-56J	2	39.0	± 5%	60	2.5	14.5	2.60	198
-58J	3	43.0	± 5%	60	2.5	13.7	2.70	194
-60J	4	47.0	± 5%	55	2.5	13.0	2.75	193
-62J	5	51.0	± 5%	55	2.5	12.7	2.85	189
-64J	6	56.0	± 5%	55	2.5	12.0	3.00	184
-66J	7	62.0	± 5%	55	2.5	11.5	3.15	180
-68J	8	68.0	± 5%	55	2.5	11.0	3.30	176
-70J	9	75.0	± 5%	55	2.5	10.5	3.70	166
-72J	10	82.0	± 5%	50	2.5	10.3	3.90	162
-74J	11	91.0	± 5%	50	2.5	10.0	4.30	154
-76J	12	100.0	± 5%	50	2.5	9.5	4.50	151
-78J	13	110.0	± 5%	60	0.79	8.9	4.90	144
-80J	14	120.0	± 5%	65	0.79	8.7	5.20	140
-82J	15	130.0	± 5%	65	0.79	8.5	5.45	137
-84J	16	150.0	± 5%	65	0.79	8.0	6.05	130
-86J	17	160.0	± 5%	65	0.79	7.5	6.40	126
-88J	18	180.0	± 5%	65	0.79	7.0	6.75	123
-90J	19	200.0	± 5%	65	0.79	6.5	7.10	120
-92J	20	220.0	± 5%	65	0.79	6.2	7.45	117
-94J	21	240.0	± 5%	65	0.79	5.9	7.80	115

Parts listed above are QPL/MIL qualified

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

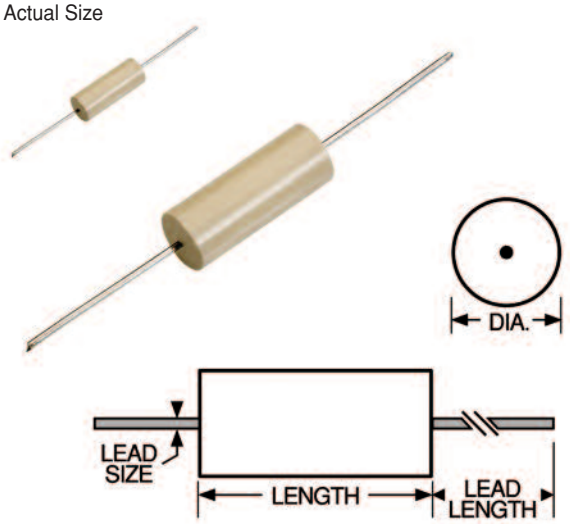
SERIES 1638R 1638

RoHS Compliant

Traditional First Quality

Molded Unshielded RF Coils

Actual Size



DASH NUMBER*	INDUCTANCE (µH) ±5%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 1638 IRON CORE						
-00J	270	65	0.79	5.7	11.0	143
-02J	300	65	0.79	5.4	11.5	140
-04J	330	65	0.79	5.1	12.0	136
-06J	360	65	0.79	4.8	12.5	134
-08J	390	65	0.79	4.5	16.3	117
-10J	430	65	0.79	4.2	17.1	115
-12J	470	65	0.79	3.9	17.9	112
-14J	510	65	0.79	3.7	18.8	109
-16J	560	65	0.79	3.8	19.5	107
-18J	620	65	0.79	3.3	25.9	93
-20J	680	65	0.79	3.1	27.2	91
-22J	750	65	0.79	2.9	28.6	88
-24J	820	65	0.79	2.7	30.0	86
-26J	910	65	0.79	2.5	31.5	84
-28J	1000	65	0.79	2.3	33.0	82

Optional Tolerances: H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

Physical Parameters

	Inches	Millimeters
Length	0.375 ± 0.010	9.53 ± 0.25
Diameter	0.156 ± 0.010	3.96 ± 0.25
Lead Size		
AWG #22 TCW	0.025 ± 0.002	0.635 ± 0.051
Lead Length	1.44 ± 0.12	36.58 ± 3.05

Current Rating at 90°C Ambient 35°C Rise

Operating Temperature –55°C to +125°C

Maximum Power Dissipation at 90°C 0.312 W

Weight Max. (Grams) 1.0

Core Material Iron

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 1638R-16J

Front:	*Reverse:*
DELEVAN	R 0828A
560uH±5%	

Packaging Tape & reel: 12" reel, 2500 pieces max.; 14" reel, 4000 pieces max.

Made in the U.S.A.

DELEVAN™ A REGAL REXNORD BRAND

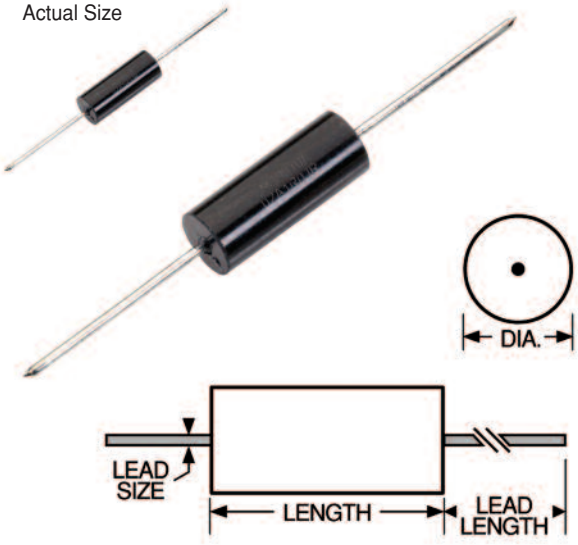
SERIES 1641R 1641

RoHS Compliant

MILITARY QPL APPROVED

Molded Shielded RF Coils

Actual Size



Military Specifications
MS75087 (LT10K); MS75088 (LT10K);
MS75089 (15µH to 1000µH only) (LT10K)

Physical Parameters

	Inches	Millimeters
Length	0.410 ± 0.020	10.41 ± 0.51
Diameter	0.162 ± 0.010	4.11 ± 0.25
Lead Size		
AWG #22 TCW	0.025 ± 0.002	0.635 ± 0.05
Lead Length	1.44 ± 0.12	36.58 ± 3.05

Current Rating at 90°C Ambient 15°C Rise

Operating Temperature Range –55°C to +105°C

Maximum Power Dissipation at 90°C 0.11 W

Weight Max. (Grams) 1.0

Incremental Current Current level which causes a Max. of 5% change in inductance.

Coupling 3% Max.

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 1641-103H

Front:	*Reverse:*
DELEVAN	10uH±3%
10uH±3%	0907A

Packaging Tape & reel: 12" reel, 2500 pieces max.; 14" reel, 4000 pieces max.

Made in the U.S.A.

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)	INCREMENTAL CURRENT (mA)
MS75087– SERIES 1641 PHENOLIC CORE/IRON SLEEVE (LT10K)								
-101K	1	0.10	50	25.0	250.0	0.025	1830	1830
-121K	2	0.12	51	25.0	250.0	0.034	1570	1570
-151K	3	0.15	51	25.0	250.0	0.037	1500	1500
-181K	4	0.18	50	25.0	250.0	0.047	1330	1330
-221K	5	0.22	49	25.0	250.0	0.067	1120	1120
-271K	6	0.27	47	25.0	250.0	0.11	870	870
-331K	7	0.33	46	25.0	250.0	0.13	800	800
-391K	8	0.39	44	25.0	250.0	0.18	680	680
-471K	9	0.47	44	25.0	235.0	0.25	580	580
-561K	10	0.56	43	25.0	210.0	0.33	505	505
-681K	11	0.68	42	25.0	190.0	0.45	430	430
-821K	12	0.82	40	25.0	180.0	0.59	375	375
MS75088– SERIES 1641 IRON CORE & SLEEVE (LT10K)								
-102K	1	1.0	44	25.0	140.0	0.07	1090	1090
-122K	2	1.2	44	7.9	130.0	0.10	900	900
-152K	3	1.5	44	7.9	115.0	0.12	835	835
-182K	4	1.8	44	7.9	105.0	0.14	775	775
-222K	5	2.2	44	7.9	100.0	0.19	665	665
-272K	6	2.7	44	7.9	92.0	0.28	545	545
-332K	7	3.3	44	7.9	85.0	0.35	490	490
-392K	8	3.9	44	7.9	75.0	0.40	455	455
-472K	9	4.7	44	7.9	70.0	0.55	390	390
-562K	10	5.6	44	7.9	65.0	0.72	340	340
-682K	11	6.8	50	7.9	55.0	1.02	285	285
-822K	12	8.2	50	7.9	50.0	1.32	250	250
-103K	13	10.0	50	7.9	46.0	1.62	228	228
-123K	14	12.0	55	2.5	44.0	2.00	205	205
MS75089– SERIES 1641 FERRITE CORE & SLEEVE (LT10K)								
-153K	1	15.0	45	2.5	49.0	0.80	325	250
-183K	2	18.0	45	2.5	45.0	0.89	305	235
-223K	3	22.0	45	2.5	41.0	0.96	295	220
-273K	4	27.0	45	2.5	38.0	1.19	265	200
-333K	5	33.0	45	2.5	34.0	1.37	248	190
-393K	6	39.0	50	2.5	29.0	1.93	209	180
-473K	7	47.0	50	2.5	27.0	2.11	200	175
-563K	8	56.0	50	2.5	25.0	2.23	194	160
-683K	9	68.0	50	2.5	21.0	2.70	176	150
-823K	10	82.0	50	2.5	10.5	2.44	186	140
-104K	11	100.0	50	2.5	10.0	3.12	164	120
-124K	12	120.0	55	0.79	9.7	3.60	153	95
-154K	13	150.0	55	0.79	8.5	4.10	143	90
-184K	14	180.0	55	0.79	8.0	4.40	138	85
-224K	15	220.0	55	0.79	7.5	5.00	130	80
-274K	16	270.0	55	0.79	7.0	5.80	120	70
-334K	17	330.0	55	0.79	6.5	6.40	115	65
-394K	18	390.0	60	0.79	6.2	7.40	107	60
-474K	19	470.0	60	0.79	5.7	9.50	94	58
-564K	20	560.0	60	0.79	4.7	10.5	90	55
-684K	21	680.0	60	0.79	4.5	11.8	84	50
-824K	22	820.0	60	0.79	4.2	13.0	80	45
-105K	23	1000.0	60	0.79	3.8	17.5	70	40

See 4307 Series for values above 1000µH.
Parts listed above are QPL/MIL qualified

Optional Tolerances: J = 5% H = 3%

*Complete part # must include series # PLUS the dash #

DELEVAN™
A REGAL REXNORD BRAND

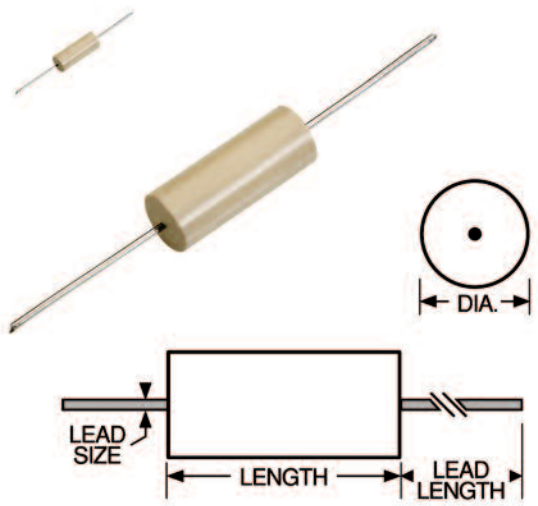
SERIES 1782R 1782

RoHS Compliant

Traditional First Quality

Molded Unshielded RF Coils

Actual Size



Physical Parameters

	Inches	Millimeters
Length	0.250 ± 0.010	6.35 ± 0.25
Diameter	0.095 ± 0.010	2.41 ± 0.25
Lead Size		
AWG #24 TCW	0.020± 0.0015	0.508 ± 0.038
Lead Length	1.5 ± 0.12	38.1 ± 3.05

Current Rating at 90°C Ambient
LT4K 35°C Rise
LT10K 15°C Rise

Operating Temperature Range
LT4K –55°C to + 125°C
LT10K –55°C to + 105°C

Maximum Power Dissipation at 90°C
Phenolic: LT4K 0.21 W
Iron: LT10K 0.09 W
Ferrite: LT10K 0.073 W

Weight Max. (Grams) 0.3

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 1782-49J

Front:	*Reverse:*
DELEVAN	16uH±5%
16uH±5%	0237A

Packaging Tape & reel: 12" reel, 3500 pieces max.; 14" reel, 6000 pieces max.

Made in the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±5%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 1782 PHENOLIC CORE (LT4K)						
-95J	0.11	40	25.0	640	0.09	1270
-97J	0.13	38	25.0	600	0.10	1200
-02J	0.16	35	25.0	550	0.12	1105
-03J	0.20	33	25.0	510	0.14	1025
-05J	0.24	33	25.0	430	0.16	960
-07J	0.30	30	25.0	410	0.22	815
-09J	0.36	30	25.0	365	0.30	700
-11J	0.43	30	25.0	330	0.35	650
-13J	0.51	30	25.0	300	0.50	545
-15J	0.62	28	25.0	275	0.60	495
-17J	0.75	28	25.0	250	0.85	415
-19J	0.91	25	25.0	230	1.00	385
SERIES 1782 IRON CORE (LT10K)						
-21J	1.10	25	7.9	150	0.18	590
-23J	1.30	25	7.9	140	0.22	535
-25J	1.60	28	7.9	125	0.30	455
-27J	2.00	30	7.9	115	0.40	395
-29J	2.40	30	7.9	100	0.55	335
-31J	3.00	37	7.9	90	0.85	270
-33J	3.60	45	7.9	80	1.00	250
-35J	4.30	45	7.9	75	1.20	230
-37J	5.10	45	7.9	65	1.80	185
-39J	6.20	50	7.9	60	2.00	175
-41J	7.50	50	7.9	55	2.70	155
-43J	9.10	55	7.9	50	3.70	130
-45J	11.0	45	2.5	40	2.70	155
-47J	13.0	40	2.5	35	2.80	150
-49J	16.0	40	2.5	30	3.10	145
-51J	20.0	50	2.5	25	3.30	140
-53J	24.0	50	2.5	20	3.50	135
SERIES 1782 FERRITE CORE (LT10K)						
-55J	30.0	45	2.5	20	3.40	130
-57J	36.0	45	2.5	22	3.60	125
-59J	43.0	45	2.5	20	4.50	110
-61J	51.0	45	2.5	18	5.70	100
-63J	62.0	45	2.5	15	6.70	92
-65J	75.0	50	2.5	14	7.30	88
-67J	91.0	50	2.5	13	8.00	84
-69J	110.0	30	0.790	12	13.0	66
-71J	130.0	30	0.790	11	15.0	61
-73J	160.0	30	0.790	10	17.0	57
-75J	200.0	30	0.790	9.0	21.0	52
-77J	240.0	30	0.790	8.0	25.0	47
-79J	300.0	30	0.790	7.0	28.0	45
-81J	360.0	30	0.790	6.5	35.0	40
-83J	430.0	30	0.790	6.0	42.0	36
-85J	510.0	30	0.790	5.0	46.0	35
-87J	620.0	30	0.790	4.0	60.0	30
-89J	750.0	30	0.790	3.8	65.0	29
-91J	910.0	30	0.790	3.4	72.0	28

Optional Tolerances: H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

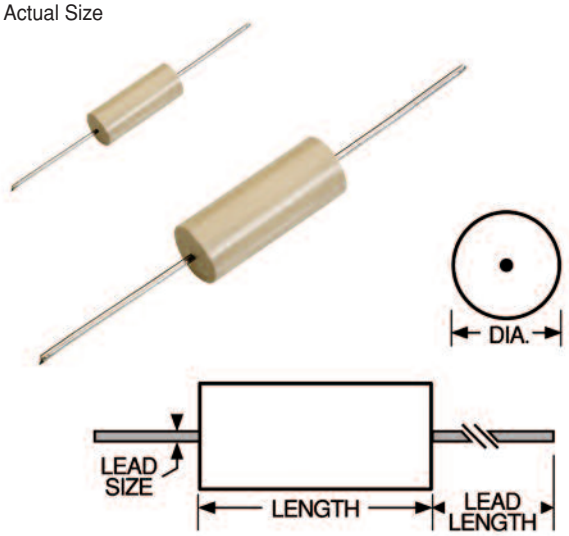
SERIES 1840R 1840

RoHS Compliant

MILITARY QPL APPROVED

Molded Unshielded RF Coils

Actual Size



Military Specifications
MS75008 (LT4K); MS75101 (LT10K)

Physical Parameters

	Inches	Millimeters
Length	0.437 ± 0.010	11.10 ± 0.25
Diameter	0.187 ± 0.010	4.75 ± 0.25
Lead Size		
AWG #22 TCW	0.025 ± 0.002	0.635 ± 0.051
Lead Length	1.44 ± 0.12	36.58 ± 3.05

Current Rating at 90°C Ambient
LT4K 35°C Rise
LT10K 15°C Rise

Operating Temperature Range
LT4K –55°C to +125°C;
LT10K –55°C to +105°C

Maximum Power Dissipation at 90°C
LT4K 0.385 W
LT10K 0.165 W

Weight Max. (Grams) 0.95

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 1840R-18K

Front:	*Reverse:*
DELEVAN	3.3uH±10%
3.3uH±10%	R 0910A

Packaging Tape & reel: 12" reel, 2500 pieces max.; 14" reel, 3000 pieces max.

◐ No MS # Issued

Made in the U.S.A.

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH)	TOLERANCE	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
MS75008– SERIES 1840 PHENOLIC CORE (LT4K)								
-00M	21	0.15	± 20%	55	25.0	510	0.030	3050
-02M	22	0.22	± 20%	55	25.0	415	0.035	2820
-04M	23	0.33	± 20%	55	25.0	350	0.050	2360
-05M	◐	0.39	± 20%	55	25.0	300	0.080	1860
-06M	24	0.47	± 20%	55	25.0	300	0.080	1860
-07K	25	0.56	± 10%	55	25.0	270	0.100	1670
-08K	26	0.68	± 10%	55	25.0	250	0.120	1520
-09K	27	0.82	± 10%	55	25.0	220	0.180	1240
-10K	28	1.00	± 10%	55	25.0	200	0.250	1050
-11K	29	1.20	± 10%	35	7.9	180	0.400	835
-12K	30	1.50	± 10%	35	7.9	170	0.485	755
-13K	31	1.80	± 10%	35	7.9	150	0.740	610
-14K	32	2.20	± 10%	35	7.9	140	0.900	555
-16K	33	2.70	± 10%	35	7.9	120	1.100	525
MS75101– SERIES 1840 IRON CORE (LT10K)								
-18K	1	3.30	± 10%	35	7.9	70	0.120	1020
-20K	2	3.90	± 10%	35	7.9	65	0.155	900
-22K	3	4.70	± 10%	35	7.9	60	0.210	775
-24K	4	5.60	± 10%	35	7.9	50	0.280	670
-26K	5	6.80	± 10%	35	7.9	50	0.375	580
-28K	6	8.20	± 10%	35	7.9	48	0.400	560
-30K	7	10.0	± 10%	35	7.9	42	0.600	455
-32K	8	12.0	± 10%	50	2.5	36	0.850	385
-34K	9	15.0	± 10%	55	2.5	30	1.200	324
-35K	10	18.0	± 10%	60	2.5	30	1.800	265
-36K	11	22.0	± 10%	60	2.5	24	2.000	251
-38K	12	27.0	± 10%	65	2.5	22	2.750	214

Parts listed above are QPL/MIL qualified

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

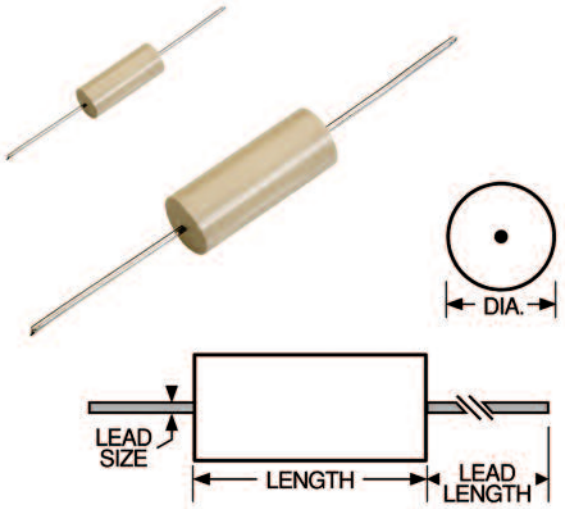
SERIES 1944R & 1945R / 1944 & 1945

RoHS Compliant

Traditional First Quality

Molded Unshielded RF Coils

Actual Size



Test Methods MIL-PRF-15305 test methods, only.
MS21389-01 to MS21389-17, reference - 1944 Series
MS21390-01 to MS21390-39, reference - 1945 Series

Physical Parameters

	Inches	Millimeters
Length	0.420 to 0.447	10.67 to 11.35
Diameter	0.168 to 0.193	4.27 to 4.90
Lead Size		
AWG #22 TCW	0.023 to 0.027	0.584 to 0.686
Lead Length	1.30 Min.	33.02 Min.

Current Rating at 90°C Ambient 35°C Rise

Operating Temperature –55°C to +125°C

Maximum Power Dissipation at 90°C
Series 1944: 0.385 W
Series 1945: 0.330 W

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 1944-14M

Front:	*Reverse:*
DELEVAN	0704A
1.2uH±20%	

Packaging Tape & reel: 12" reel, 2500 pieces max.; 14" reel, 3000 pieces max.

Made in the U.S.A.

DASH NUMBER*	MIL DASH # (Ref.)	INDUCTANCE (uH)	TOLERANCE	INDUCTANCE TEST FREQUENCY (MHz)	Q TEST FREQUENCY (MHz)	Q MINIMUM	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
MS21389 (Reference) – SERIES 1944 PHENOLIC CORE									
-01M	1	0.10	± 20%	25	50	75	400	0.020	4000
-02M	2	0.12	± 20%	25	50	75	400	0.025	3500
-03M	3	0.15	± 20%	25	50	75	400	0.030	3000
-04M	4	0.18	± 20%	25	50	65	400	0.030	3000
-05M	5	0.22	± 20%	25	50	65	400	0.030	3000
-06M	6	0.27	± 20%	25	45	65	376	0.040	2700
-07M	7	0.33	± 20%	25	40	65	352	0.045	2500
-08M	8	0.39	± 20%	25	40	60	320	0.070	2000
-09M	9	0.47	± 20%	25	25	55	288	0.070	2000
-10M	10	0.56	± 20%	25	25	50	264	0.100	1700
-11M	11	0.68	± 20%	25	25	50	240	0.120	1500
-12M	12	0.82	± 20%	25	25	45	220	0.160	1300
-13M	13	1.00	± 20%	25	20	45	200	0.230	1100
-14M	14	1.20	± 20%	7.9	20	45	176	0.280	1000
-15K	15	1.50	± 10%	7.9	15	45	160	0.380	850
-16K	16	1.80	± 10%	7.9	15	45	144	0.540	720
-17K	17	2.20	± 10%	7.9	15	45	132	0.750	610
MS21390 (Reference) – SERIES 1945 IRON CORE									
-01K	1	2.70	± 10%	7.9	10	55	88	0.11	1600
-02K	2	3.30	± 10%	7.9	10	55	80	0.14	1400
-03K	3	3.90	± 10%	7.9	10	60	76	0.19	1200
-04K	4	4.70	± 10%	7.9	7.9	70	72	0.28	1000
-05K	5	5.60	± 10%	7.9	7.9	65	64	0.34	900
-06K	6	6.80	± 10%	7.9	7.9	65	56	0.43	800
-07K	7	8.20	± 10%	7.9	7.9	60	52	0.56	720
-08K	8	10.0	± 10%	7.9	5.0	60	48	0.67	650
-09K	9	12.0	± 10%	2.5	5.0	65	42.4	0.81	590
-10K	10	15.0	± 10%	2.5	2.5	80	37.6	1.15	500
-11K	11	18.0	± 10%	2.5	2.5	75	34.4	1.40	460
-12K	12	22.0	± 10%	2.5	2.5	75	32.0	1.60	430
-13J	13	27.0	± 5%	2.5	2.5	75	28.8	2.30	360
-14J	14	33.0	± 5%	2.5	2.5	85	25.6	3.30	300
-15J	15	39.0	± 5%	2.5	2.5	80	20.8	3.32	290
-16J	16	47.0	± 5%	2.5	2.5	80	17.6	3.70	275
-17J	17	56.0	± 5%	2.5	2.5	75	15.2	3.99	265
-18J	18	68.0	± 5%	2.5	2.5	75	12.8	4.48	250
-19J	19	82.0	± 5%	2.5	2.5	75	10.4	5.07	235
-20J	20	100	± 5%	2.5	1.5	75	8.00	5.78	220
-21J	21	120	± 5%	0.79	0.79	65	5.76	5.00	170
-22J	22	150	± 5%	0.79	0.79	65	5.36	5.80	164
-23J	23	180	± 5%	0.79	0.79	65	5.04	6.60	158
-24J	24	220	± 5%	0.79	0.79	65	4.72	7.40	155
-25J	25	270	± 5%	0.79	0.79	65	4.48	8.00	150
-26J	26	300	± 5%	0.79	0.79	65	4.24	8.60	145
-27J	27	330	± 5%	0.79	0.79	65	4.00	8.90	142
-28J	28	360	± 5%	0.79	0.79	65	3.76	9.60	137
-29J	29	390	± 5%	0.79	0.79	65	3.60	9.90	135
-30J	30	430	± 5%	0.79	0.79	65	3.44	10.4	131
-31J	31	470	± 5%	0.79	0.79	65	3.20	10.9	128
-32J	32	510	± 5%	0.79	0.79	65	3.04	11.6	124
-33J	33	560	± 5%	0.79	0.79	60	2.88	11.8	123
-34J	34	620	± 5%	0.79	0.79	60	2.80	12.5	120
-35J	35	680	± 5%	0.79	0.79	60	2.72	13.5	115
-36J	36	750	± 5%	0.79	0.79	60	2.64	14.0	113
-37J	37	820	± 5%	0.79	0.79	60	2.48	15.0	110
-38J	38	910	± 5%	0.79	0.79	60	2.40	15.5	107
-39J	39	1000	± 5%	0.79	0.79	60	2.24	16.5	104

Optional Tolerances: K = 10% J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

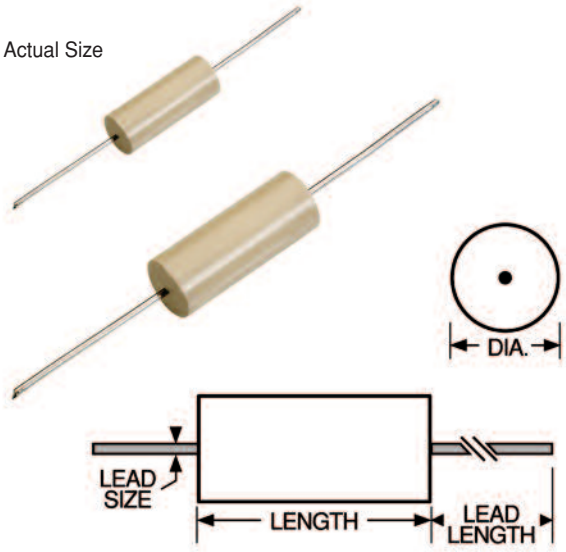
SERIES 2150R 2150

RoHS Compliant

MILITARY QPL APPROVED

Molded Unshielded RF Coils

Actual Size



Military Specifications
MS90542 (LT4K); MS14052(LT10K)

Physical Parameters

	Inches	Millimeters
Length	0.560 ± 0.010	14.22 ± 0.25
Diameter	0.220 ± 0.010	5.59 ± 0.25
Lead Size		
AWG #22 TCW	0.025 ± 0.002	0.635 ± 0.051
Lead Length	1.44 ± 0.12	36.58 ± 3.05

Current Rating at 90°C Ambient
LT4K 35°C Rise
LT10K 15°C Rise

Operating Temperature
LT4K –55°C to +125°C
LT10K –55°C to +105°C

Maximum Power Dissipation at 90°C
LT4K .427 W
LT10K .183 W

Weight Max. (Grams) 1.5

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 2150R-28K

Front:	*Reverse:*
DELEVAN	15uH±10%
15uH±10%	R 0904A

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH) ±10%	TEST FREQUENCY (MHz) Q MINIMUM	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
MS90542– SERIES 2150 PHENOLIC CORE (LT4K)						
-00K	1	0.47	65	25.0	300	0.06	2270
-01K	2	0.56	65	25.0	270	0.07	2100
-02K	3	0.68	65	25.0	240	0.08	1960
-03K	4	0.82	65	25.0	220	0.11	1670
-04K	5	1.00	65	25.0	200	0.14	1480
-05K	6	1.20	40	7.9	180	0.19	1270
-06K	7	1.50	40	7.9	160	0.28	1050
-07K	8	1.80	40	7.9	150	0.37	915
-08K	9	2.20	40	7.9	135	0.50	785
-10K	10	2.70	40	7.9	120	0.65	690
-12K	11	3.30	40	7.9	105	1.00	555
-14K	12	3.90	40	7.9	100	1.20	505
-16K	13	4.70	40	7.9	90	1.80	415
MS14052– SERIES 2150 IRON CORE (LT10K)						
-18K	1	5.60	35	7.9	55	0.13	1040
-20K	2	6.80	35	7.9	50	0.20	835
-22K	3	8.20	35	7.9	44	0.22	795
-24K	4	10.0	35	7.9	42	0.26	735
-26K	5	12.0	45	2.5	34	0.45	560
-28K	6	15.0	45	2.5	32	0.52	520
-30K	7	18.0	50	2.5	28	0.70	445
-32K	8	22.0	60	2.5	24	1.00	375
-34K	9	27.0	60	2.5	22	1.30	330
-36K	10	33.0	60	2.5	20	1.50	305
-38K	11	39.0	70	2.5	18	2.00	264

Parts listed above are QPL/MIL qualified

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

Packaging Tape & reel: 12" reel, 1000 pieces max.; 14" reel, 1500 pieces max.

Made in the U.S.A.

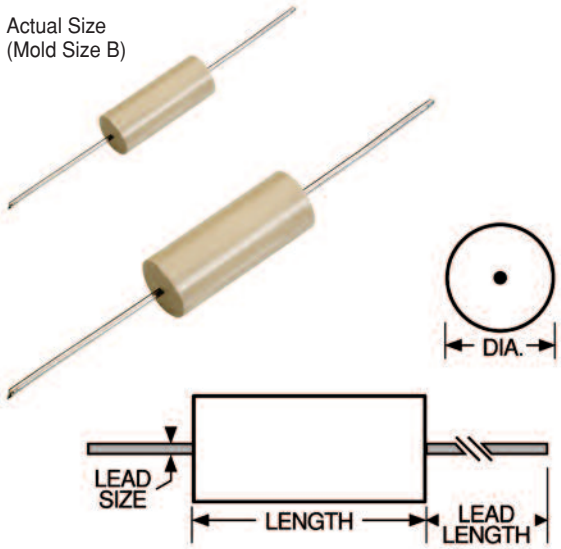
SERIES 2500R 2500

RoHS Compliant

MILITARY QPL APPROVED

Molded Unshielded RF Coils

Actual Size
(Mold Size B)



Military Specifications MS90539 (LT10K); MS90540 (LT10K); MS90541 (LT10K); g No MS # Issued

Physical Parameters

Mold Size	A	B	C
Length			
Inches ± .010	0.440	0.560	0.740
mm ± .25	11.18	14.22	18.80
Diameter			
Inches ± .010	0.190	0.215	0.240
mm ± .25	4.83	5.46	6.10
Lead Type & Size			
AWG #	#22	#21	#20
TCW ± .002 Inches	0.025	0.028	0.032
[TCW ± .051 mm]	0.635	0.711	0.813
Lead Length			
Inches ± .12	1.44	1.44	1.44
mm ± 3.05	36.58	36.58	36.58
Maximum Power Dissipation			
at 90°C W	0.166	0.182	0.213
Weight Max.			
(Grams)	0.95	1.5	2.5

Current Rating at 90°C Ambient 15°C Rise

Operating Temperature Range –55°C to +105°C
Core Material Iron (LT10K)

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 2500-16J

Front:	*Reverse:*
DELEVAN	560uH±5%
560uH±5%	0824C

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH) ±5%	TEST FREQUENCY (MHz) Q MINIMUM	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)	MOLD SIZE
MS90539 • SERIES 2500 IRON CORE (LT10K)							
-00J	1	270	65	0.790	5.60	8.2	126	A
-02J	2	300	65	0.790	5.3	8.7	122	A
-04J	3	330	65	0.790	5.0	9.1	120	A
-06J	4	360	65	0.790	4.7	9.6	115	A
-08J	5	390	65	0.790	4.5	10.0	114	A
-10J	6	430	65	0.790	4.3	10.6	111	A
-12J	7	470	65	0.790	4.0	11.0	108	A
-14J	◐	500	65	0.790	3.7	11.3	106	A
-15J	8	510	65	0.790	3.8	11.6	105	A
-16J	9	560	65	0.790	3.6	12.3	104	A
-18J	10	620	60	0.790	3.5	13.0	101	A
-20J	11	680	60	0.790	3.4	13.7	97	A
-22J	12	750	60	0.790	3.3	14.4	95	A
-24J	13	820	60	0.790	3.1	15.1	92	A
-26J	14	910	60	0.790	2.9	15.8	91	A
-28J	15	1000	60	0.790	2.8	16.5	88	A
MS90540 • SERIES 2500 IRON CORE (LT10K)							
-30J	1	1100	60	0.250	2.8	21.0	81	B
-32J	2	1200	60	0.250	2.7	22.0	79	B
-34J	3	1300	60	0.250	2.6	23.0	78	B
-36J	4	1500	65	0.250	2.4	25.0	76	B
-38J	5	1600	65	0.250	2.3	26.0	74	B
-40J	6	1800	65	0.250	2.2	28.0	71	B
-42J	7	2000	65	0.250	2.1	29.0	69	B
-44J	8	2200	70	0.250	2.0	30.0	68	B
-46J	9	2400	70	0.250	1.9	31.0	67	B
-48J	10	2700	70	0.250	1.8	33.0	65	B
-50J	11	3000	70	0.250	1.7	35.0	63	B
-52J	12	3300	70	0.250	1.6	38.0	61	B
-54J	13	3600	70	0.250	1.5	40.0	59	B
MS90541 • SERIES 2500 IRON CORE (LT10K)							
-56J	1	3900	80	0.250	1.45	44.0	62	C
-58J	2	4300	80	0.250	1.40	46.0	60	C
-60J	3	4700	80	0.250	1.35	48.0	59	C
-62J	4	5000	80	0.250	1.30	50.0	58	C
-63J	◐	5100	80	0.250	1.30	50.0	58	C
-64J	5	5600	80	0.250	1.25	53.0	56	C
-66J	6	6200	80	0.250	1.20	56.0	55	C
-68J	7	6800	80	0.250	1.15	59.0	54	C
-70J	8	7500	80	0.250	1.10	62.0	52	C
-72J	9	8200	80	0.250	1.05	65.0	51	C
-74J	10	9100	80	0.250	1.0	68.0	49	C
-76J	11	10000	80	0.250	0.95	72.0	48	C

Parts listed above are QPL/MIL qualified

Optional Tolerances: H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

Packaging Tape & reel: Mold sizes "A" and "C": 12" reel, 2500 pieces max.; 14" reel, 3000 pieces max.
Mold size "B": 12" reel, 1000 pieces max.; 14" reel, 1500 pieces max.
Made in the U.S.A.

DELEVAN™
A REGAL REXNORD BRAND

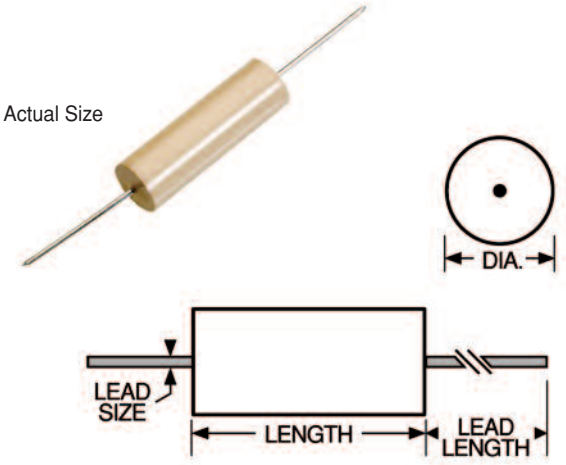
SERIES 2890R 2890

RoHS Compliant

MILITARY QPL APPROVED

Molded Unshielded RF Coils

Actual Size



Military Specifications
MS91189 (LT4K); MS75103(LT10K)

Physical Parameters

	Inches	Millimeters
Length	0.900 ± 0.010	22.86 ± 0.25
Diameter	0.280 ± 0.010	7.11 ± 0.25
Lead Size		
AWG #21 TCW	0.028 ± 0.002	0.711 ± 0.051
Lead Length*	1.44 ± 0.12	36.58 ± 3.05

Current Rating at 90°C Ambient
LT4K 35°C Rise
LT10K 15°C Rise

Operating Temperature Range
LT4K –55°C to +125°C
LT10K –55°C to +105°C

Maximum Power Dissipation at 90°C
LT4K 0.598 W
LT10K 0.256 W

Weight Max. (Grams) 3.9

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 2890R-16F

Front:	*Reverse:*
DELEVAN	6.8uH±1%
6.8uH±1%	R 0518B

Packaging Tape & reel: 12" reel, 800 pieces max.; 14" reel, 1300 pieces max.

*Tape and Reel Packaging requires a (1) inch minimum reduction on lead length in order to meet EIA-296 inside tape dimensions.

Made in the U.S.A.

DASH NUMBER*	MIL DASH #	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
MS91189– SERIES 2890 PHENOLIC CORE (LT4K)							
-00K	14	1.2	60	7.9	170	0.075	2400
-02K	15	1.5	60	7.9	160	0.090	2190
-03K	16	1.8	60	7.9	140	0.135	1790
-04K	17	2.2	60	7.9	125	0.160	1640
-06K	18	2.7	60	7.9	115	0.220	1400
-08K	19	3.3	60	7.9	100	0.305	1190
-10K	20	3.9	60	7.9	95	0.450	980
-12K	21	4.7	60	7.9	90	0.560	880
-14K	22	5.6	60	7.9	80	0.745	760
-16K	23	6.8	60	7.9	75	1.05	640
-18K	24	8.2	60	7.9	68	1.40	555
-20K	25	10.0	60	7.9	60	1.90	475
-22K	26	12.0	40	2.5	53	2.65	405
-24K	27	15.0	40	2.5	50	3.25	365
-26K	28	18.0	40	2.5	45	4.15	320
MS75103– SERIES 2890 IRON CORE (LT10K)							
-28K	1	22.0	50	2.5	24	0.295	815
-30K	2	27.0	45	2.5	22	0.35	750
-32K	3	33.0	60	2.5	19	0.55	595
-34K	4	39.0	55	2.5	18	0.65	550
-36K	5	47.0	65	2.5	16	1.00	445
-38K	6	56.0	65	2.5	14	1.15	410
-39K	7	68.0	75	2.5	13	1.85	325
-40K	8	82.0	75	2.5	12	2.10	305
-42K	9	100.0	75	2.5	12	2.50	279
-44K	10	120.0	95	0.79	10	4.10	219

Parts listed above are QPL/MIL qualified

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

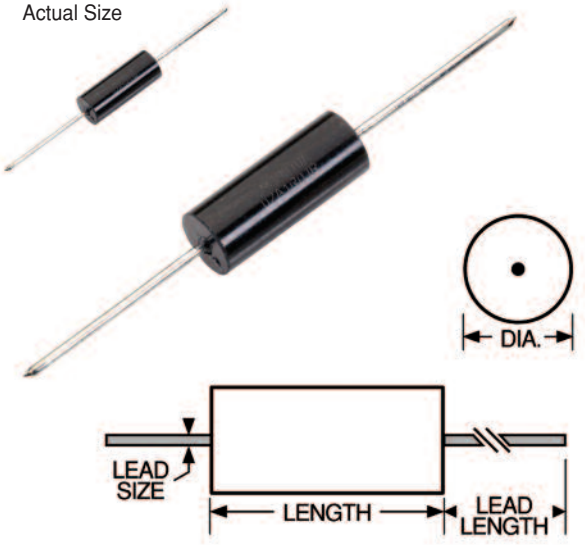
SERIES 4307R 4307

RoHS Compliant

Traditional First Quality

Molded Shielded RF Coils

Actual Size



DASH NUMBER*	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)	INCREMENTAL CURRENT (mA)**
SERIES 4307 FERRITE CORE AND SLEEVE							
-125K	1200	50	0.250	3.00	22.1	115	35
-155K	1500	50	0.250	2.80	26.5	110	33
-185K	1800	50	0.250	2.60	29.9	105	30
-225K	2200	50	0.250	2.40	33.8	99	27
-275K	2700	50	0.250	2.20	47.3	83	25
-335K	3300	50	0.250	2.00	53.0	80	22
-395K	3900	50	0.250	1.90	73.8	67	20
-475K	4700	50	0.250	1.70	81.6	63	19
-565K	5600	50	0.250	1.60	98.9	56	17
-685K	6800	50	0.250	1.40	111.0	54	16
-825K	8200	50	0.250	1.20	119.0	52	15
-106K	10000	50	0.250	1.00	137.0	49	14
-126K	12000	30	0.079	0.80	143.0	46	13
-156K	15000	30	0.079	0.60	157.0	45	12
-186K	18000	30	0.079	0.55	225.0	41	10
-226K	22000	27	0.079	0.50	274.0	33	9
-276K	27000	27	0.079	0.40	308.0	31	8
-336K	33000	27	0.079	0.40	343.0	29	7.5

Optional Tolerances: J = 5% H = 3%

*Complete part # must include series # PLUS the dash #

Test Methods MIL-PRF-15305 test methods only. MS75089-24 to MS75089-40, reference; MS90537-50 to MS90537-66, reference.

Mechanical Configuration Units are axial leaded, encapsulated in an epoxy molded case. Core and sleeve are both of ferrite material.

Physical Parameters

	Inches	Millimeters
Length	0.427 to 0.447	10.85 to 11.35
Diameter	0.177 to 0.197	4.496 to 5.004
Lead Size		
AWG #22 TCW	0.023 to 0.027	0.584 to 0.686
Lead Length	1.320 to 1.560	33.53 to 39.62

Current Rating at 90°C Ambient 35°C Rise

Operating Temperature –55°C to +125°C

Power Dissipation at 90°C 0.385 W

Coupling 3% Max.

**** Note** Incremental Current is the D.C. current required to decrease the inductance a maximum of 5%.

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 4307-336J

Front:	*Reverse:*
DELEVAN	33mH±5%
33mH±5%	0839A

Packaging Tape & reel: 12" reel, 2500 pieces max.; 14" reel, 3000 pieces max.

Made in the U.S.A.

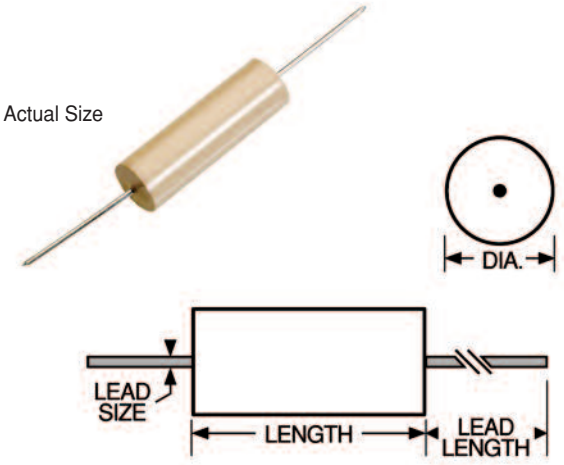
SERIES 4470R 4470

RoHS Compliant

Traditional First Quality

Molded Unshielded RF Coils

Actual Size



Physical Parameters

	Inches	Millimeters
Length	0.880 to 0.910	22.35 to 23.11
Diameter	0.270 to 0.310	6.86 to 7.87
Lead Size		
AWG #21 TCW	0.0260 to .0305	0.66 to 0.77
Lead Length	1.30 Min.	33.02 Min.

Operating Temperature –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.540 W

Test Methods MIL-PRF-15305 test methods, only. MS21380-01 to MS21380-49, reference.

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 4470-49J

Front:	*Reverse:*
DELEVAN	0915B
10mH±5%	

Packaging Tape & reel: 12" reel, 800 pieces max.; 14" reel, 1300 pieces max.

Made in the U.S.A.

DASH NUMBER*	MIL DASH # (Ref.)	INDUCTANCE (µH)	TOLERANCE	INDUCTANCE TEST FREQUENCY (MHz)	Q TEST FREQUENCY (MHz)	Q MINIMUM	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
MS21380 (Reference) – SERIES 4470 IRON CORE									
-01K	1	1.0	± 10%	25.0	15.0	130	136.0	0.03	4000
-02K	2	1.2	± 10%	7.9	15.0	130	124.0	0.03	4000
-03K	3	1.5	± 10%	7.9	10.0	130	112.0	0.03	4000
-04K	4	1.8	± 10%	7.9	10.0	130	100.0	0.03	4000
-05K	5	2.2	± 10%	7.9	10.0	130	92.0	0.04	3500
-06K	6	2.7	± 10%	7.9	10.0	100	81.6	0.04	3500
-07K	7	3.3	± 10%	7.9	7.9	100	72.0	0.04	3500
-08K	8	3.9	± 10%	7.9	7.9	80	68.0	0.05	3100
-09K	9	4.7	± 10%	7.9	7.9	75	64.0	0.05	3100
-10K	10	5.6	± 10%	7.9	7.9	65	57.6	0.06	3000
-11K	11	6.8	± 10%	7.9	7.9	65	52.0	0.06	3000
-12K	12	8.2	± 10%	7.9	7.9	65	45.6	0.09	2400
-13K	13	10.0	± 10%	7.9	5.0	75	40.0	0.15	1800
-14K	14	12.0	± 10%	2.5	5.0	75	36.0	0.20	1600
-15J	15	15.0	± 5%	2.5	5.0	75	32.0	0.30	1300
-16J	16	18.0	± 5%	2.5	5.0	75	28.8	0.40	1150
-17J	17	22.0	± 5%	2.5	2.5	75	25.6	0.50	1000
-18J	18	27.0	± 5%	2.5	2.5	70	24.0	0.60	900
-19J	19	33.0	± 5%	2.5	2.5	70	22.4	0.70	850
-20J	20	39.0	± 5%	2.5	2.5	70	20.8	1.00	720
-21J	21	47.0	± 5%	2.5	2.5	75	20.0	1.30	620
-22J	22	56.0	± 5%	2.5	2.5	80	17.6	1.80	540
-23J	23	68.0	± 5%	2.5	2.5	100	16.0	2.40	450
-24J	24	82.0	± 5%	2.5	2.5	100	14.4	2.80	425
-25J	25	100.0	± 5%	2.5	1.5	100	13.6	3.20	400
-26J	26	120.0	± 5%	0.79	1.5	100	12.0	4.10	360
-27J	27	150.0	± 5%	0.79	1.0	100	11.2	6.40	280
-28J	28	180.0	± 5%	0.79	1.0	95	9.60	9.50	240
-29J	29	220.0	± 5%	0.79	1.0	95	8.80	12.0	200
-30J	30	270.0	± 5%	0.79	1.0	70	7.20	13.0	195
-31J	31	330.0	± 5%	0.79	0.79	65	6.00	14.0	190
-32J	32	390.0	± 5%	0.79	0.79	65	5.20	15.5	180
-33J	33	470.0	± 5%	0.79	0.79	60	4.40	17.0	170
-34J	34	560.0	± 5%	0.79	0.50	75	3.20	18.5	165
-35J	35	680.0	± 5%	0.79	0.50	75	2.56	20.0	155
-36J	36	820.0	± 5%	0.79	0.50	75	2.24	22.0	150
-37J	37	1000.0	± 5%	0.79	0.50	75	1.92	24.0	145
-38J	38	1200.0	± 5%	0.79	0.50	75	1.68	27.0	137
-39J	39	1500.0	± 5%	0.79	0.40	75	1.52	29.0	130
-40J	40	1800.0	± 5%	0.79	0.40	65	1.36	32.0	125
-41J	41	2200.0	± 5%	0.25	0.25	65	1.20	35.0	120
-42J	42	2700.0	± 5%	0.25	0.25	65	1.04	40.0	112
-43J	43	3300.0	± 5%	0.25	0.25	65	0.96	45.0	105
-44J	44	3900.0	± 5%	0.25	0.25	65	0.80	49.0	100
-45J	45	4700.0	± 5%	0.25	0.25	65	0.76	53.0	95
-46J	46	5600.0	± 5%	0.25	0.25	65	0.68	60.0	90
-47J	47	6800.0	± 5%	0.25	0.25	65	0.60	67.0	85
-48J	48	8200.0	± 5%	0.25	0.25	65	0.52	75.0	82
-49J	49	10000.0	± 5%	0.25	0.15	65	0.47	80.0	80

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

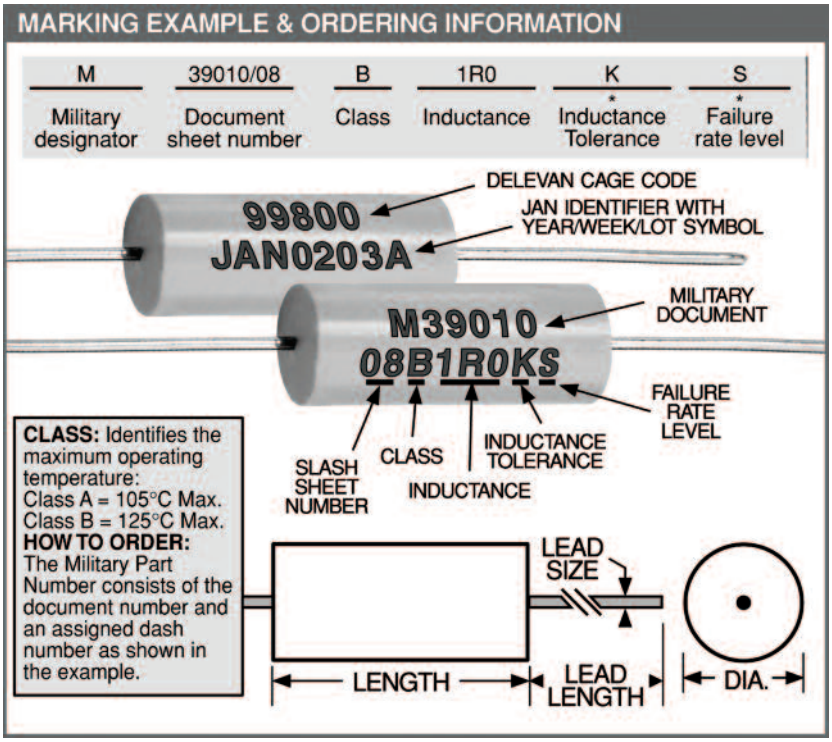
DELEVAN™ A REGAL REXNORD BRAND

ER SERIES MIL-PRF-39010

Established Reliability Inductors

Physical Parameters and Environmental Characteristics	ER1641			ER1840		ER1537		ER1025		
	MIL-PRF-39010/01	MIL-PRF-39010/02	MIL-PRF-39010/03	MIL-PRF-39010/04	MIL-PRF-39010/05	MIL-PRF-39010/06	MIL-PRF-39010/07	MIL-PRF-39010/08	MIL-PRF-39010/09	MIL-PRF-39010/10
Inductance Range, µH	0.10 to 0.82	0.91 to 12.0	15 to 1000	0.15 to 2.7	3.0 to 27.0	0.15 to 4.7	5.1 to 240.0	0.10 to 1.00	1.1 to 27.0	30 to 1000
Core Material	Phenolic	Iron	Ferrite	Phenolic	Iron	Phenolic	Iron	Phenolic	Iron	Ferrite
Sleeve	Iron	Iron	Ferrite	—	—	—	—	—	—	—
Length, Inches	0.410 ±0.020	0.410 ±0.020	0.410 ±0.020	0.437 ±0.01	0.437 ±0.01	0.375 ±0.010	0.375 ±0.010	0.250 ±0.010	0.250 ±0.010	0.250 ±0.010
Millimeters	10.41 ±0.51	10.41 ±0.51	10.41 ±0.51	11.10 ±0.25	11.10 ±0.25	9.53 ±0.25	9.53 ±0.25	6.35 ±0.25	6.35 ±0.25	6.35 ±0.25
Diameter, Inches	0.162 ±0.010	0.162 ±0.010	0.162 ±0.010	0.187 ±0.010	0.187 ±0.010	0.156 ±0.010	0.156 ±0.010	0.095 ±0.010	0.095 ±0.010	0.095 ±0.010
Millimeters	4.11 ±0.25	4.11 ±0.25	4.11 ±0.25	4.75 ±0.25	4.75 ±0.25	3.96 ±0.25	3.96 ±0.25	2.41 ±0.25	2.41 ±0.25	2.41 ±0.25
Lead Size — AWG #	#22 TCW	#22 TCW	#22 TCW	#22 TCW	#22 TCW	#22 TCW	#22 TCW	#24 TCW	#24 TCW	#24 TCW
Inches	0.025 ±0.002	0.025 ±0.002	0.025 ±0.002	0.025 ±0.002	0.025 ±0.002	0.025 ±0.002	0.025 ±0.002	0.020 ±0.0015	0.020 ±0.0015	0.020 ±0.0015
Millimeters	0.635 ±0.051	0.635 ±0.051	0.635 ±0.051	0.635 ±0.051	0.635 ±0.051	0.635 ±0.051	0.635 ±0.051	0.51 ±0.04	0.51 ±0.04	0.51 ±0.04
Lead Length, Inches	1.438 ±0.188	1.438 ±0.188	1.438 ±0.188	1.438 ±0.188	1.438 ±0.188	1.438 ±0.188	1.438 ±0.188	1.438 ±0.188	1.438 ±0.188	1.438 ± 0.188
Millimeters	36.53 ± 4.77	36.53 ± 4.77	36.53 ± 4.77	36.58 ± 3.05	36.58 ± 3.05	36.53 ± 4.77	36.53 ± 4.77	36.53 ± 4.77	36.53 ± 4.77	36.53 ± 4.77
Weight Max. (Grams)	0.85	1.0	1.0	0.95	0.95	0.9	0.9	0.3	0.3	0.3
Current Rating at 90°C, Max. Rise °C	15	15	15	35	15	35	15	35	15	15
Operating Temp. °C	–55 to +105	–55 to +105	–55 to +105	–55 to +125	–55 to +105	–55 to +125	–55 to +105	–55 to +125	–55 to +105	–55 to +105
Max. Power Dissipation at 90°C, Watts	0.11	0.11	0.11	0.385	0.385	0.312	0.134	0.21	0.09	0.073
Coupling	3% Max.	3% Max.	3% Max.	—	—	—	—	—	—	—
Body Color	Black	Black	Black	Tan	Tan	Tan	Tan	Tan	Tan	Tan

MARKING EXAMPLE & ORDERING INFORMATION



MIL-PRF-39010 Molded RF Coils with Sn10 high-temperature solder for internal connections.
Approved Through Failure Rate Level S

Note The complete Military dash numbers will include two additional letters, indicated in the tables on the following three pages by **. The first additional letter will indicate tolerance:
J indicates ± 5%; K indicates ± 10%;
L indicates ± 20%.

The second letter will indicate the failure rate (e.g., M, P, R, S).

Packaging Tape & reel
ER1025: 12" reel, 3500 pieces max.; 14" reel, 6000 pieces max.
ER1537 and ER1641: 12" reel, 2500 pieces max.; 14" reel, 4000 pieces max.
ER1840: 12" reel, 2500 pieces max.; 14" reel, 3000 pieces max. For additional packaging options, see technical section.

Made in the U.S.A.

CONTINUED ON NEXT PAGE

DELEVAN™ A REGAL REXNORD BRAND

ER SERIES (continued)

DELEVAN PART NUMBER	DASH NUMBER	MILITARY	INDUCTANCE (µH)	IND. TOLERANCE (%)	TEST FREQUENCY (MHz)	Q MINIMUM	SRF MINIMUM (MHz)	MAXIMUM (OHMS @ 25°C)	DC RESISTANCE	RATED DC CURRENT (mA)
MIL-PRF-39010/01										
ER1641-101**	AR10**		0.10	5,10	50	25.0	250	0.025		1,790
ER1641-111**	AR11**		0.11	5	50	25.0	250	0.034		1,530
ER1641-121**	AR12**		0.12	5,10	50	25.0	250	0.034		1,530
ER1641-131**	AR13**		0.13	5	50	25.0	250	0.037		1,470
ER1641-151**	AR15**		0.15	5,10	50	25.0	250	0.037		1,470
ER1641-161**	AR16**		0.16	5	50	25.0	250	0.047		1,300
ER1641-181**	AR18**		0.18	5,10	50	25.0	250	0.047		1,300
ER1641-201**	AR20**		0.20	5	49	25.0	250	0.067		1,100
ER1641-221**	AR22**		0.22	5,10	49	25.0	250	0.067		1,100
ER1641-241**	AR24**		0.24	5	47	25.0	250	0.110		853
ER1641-271**	AR27**		0.27	5,10	47	25.0	250	0.110		853
ER1641-301**	AR30**		0.30	5	46	25.0	250	0.130		780
ER1641-331**	AR33**		0.33	5,10	46	25.0	250	0.130		780
ER1641-361**	AR36**		0.36	5	44	25.0	250	0.180		670
ER1641-391**	AR39**		0.39	5,10	44	25.0	250	0.180		670
ER1641-431**	AR43**		0.43	5	44	25.0	235	0.250		565
ER1641-471**	AR47**		0.47	5,10	44	25.0	235	0.250		565
ER1641-511**	AR51**		0.51	5	43	25.0	210	0.330		490
ER1641-561**	AR56**		0.56	5,10	43	25.0	210	0.330		490
ER1641-621**	AR62**		0.62	5	42	25.0	190	0.450		420
ER1641-681**	AR68**		0.68	5,10	42	25.0	190	0.450		420
ER1641-751**	AR75**		0.75	5	40	25.0	180	0.590		370
ER1641-821**	AR82**		0.82	5,10	40	25.0	180	0.590		370
MIL-PRF-39010/02										
ER1641-911**	AR91**		0.91	5	44	25.0	140	0.070		1,070
ER1641-102**	A1R0**		1.00	5,10	44	25.0	140	0.070		1,070
ER1641-112**	A1R1**		1.10	5	44	7.9	130	0.100		895
ER1641-122**	A1R2**		1.20	5,10	44	7.9	130	0.100		895
ER1641-132**	A1R3**		1.30	5	44	7.9	115	0.120		815
ER1641-152**	A1R5**		1.50	5,10	44	7.9	115	0.120		815
ER1641-162**	A1R6**		1.60	5	44	7.9	105	0.140		755
ER1641-182**	A1R8**		1.80	5,10	44	7.9	105	0.140		755
ER1641-202**	A2R0**		2.00	5	44	7.9	100	0.190		650
ER1641-222**	A2R2**		2.20	5,10	44	7.9	100	0.190		650
ER1641-242**	A2R4**		2.40	5	44	7.9	92	0.280		535
ER1641-272**	A2R7**		2.70	5,10	44	7.9	92	0.280		535
ER1641-302**	A3R0**		3.00	5	44	7.9	85	0.350		480
ER1641-332**	A3R3**		3.30	5,10	44	7.9	85	0.350		480
ER1641-362**	A3R6**		3.60	5	44	7.9	75	0.400		450
ER1641-392**	A3R9**		3.90	5,10	44	7.9	75	0.400		450
ER1641-432**	A4R3**		4.30	5	44	7.9	70	0.550		380
ER1641-472**	A4R7**		4.70	5,10	44	7.9	70	0.550		380
ER1641-512**	A5R1**		5.10	5	44	7.9	65	0.720		335
ER1641-562**	A5R6**		5.60	5,10	44	7.9	65	0.720		335
ER1641-622**	A6R2**		6.20	5	44	7.9	55	1.020		280
ER1641-682**	A6R8**		6.80	5,10	50	7.9	55	1.020		280
ER1641-752**	A7R5**		7.50	5	50	7.9	50	1.320		245
ER1641-822**	A8R2**		8.20	5,10	50	7.9	50	1.320		245
ER1641-912**	A9R1**		9.10	5	50	7.9	46	1.620		220
ER1641-103**	A100**		10.00	5,10	50	7.9	46	1.620		220
ER1641-113**	A110**		11.00	5	50	2.5	44	2.000		200
ER1641-123**	A120**		12.00	5,10	50	2.5	44	2.000		200
MIL-PRF-39010/03										
ER1641-153**	A150**		15	5,10	45	2.50	49.0	0.80		315
ER1641-163**	A160**		16	5	45	2.50	45.0	0.89		300
ER1641-183**	A180**		18	5,10	45	2.50	45.0	0.89		300
ER1641-203**	A200**		20	5	45	2.50	41.0	0.96		290
ER1641-223**	A220**		22	5,10	45	2.50	41.0	0.96		290
ER1641-243**	A240**		24	5	45	2.50	38.0	1.19		260
ER1641-273**	A270**		27	5,10	45	2.50	38.0	1.19		260
ER1641-303**	A300**		30	5	45	2.50	34.0	1.37		240
ER1641-333**	A330**		33	5,10	45	2.50	34.0	1.37		240
ER1641-363**	A360**		36	5	45	2.50	29.0	1.93		205
ER1641-393**	A390**		39	5,10	50	2.50	29.0	1.93		205
ER1641-433**	A430**		43	5	50	2.50	27.0	2.11		195
ER1641-473**	A470**		47	5,10	50	2.50	27.0	2.11		195
ER1641-513**	A510**		51	5	50	2.50	25.0	2.23		190
ER1641-563**	A560**		56	5,10	50	2.50	25.0	2.23		190

DELEVAN PART NUMBER	DASH NUMBER	MILITARY	INDUCTANCE (µH)	IND. TOLERANCE (%)	TEST FREQUENCY (MHz)	Q MINIMUM	SRF MINIMUM (MHz)	MAXIMUM (OHMS @ 25°C)	DC RESISTANCE	RATED DC CURRENT (mA)
MIL-PRF-39010/03 (continued)										
ER1641-623**	A620**		62	5	50	2.50	21.0	2.44		180
ER1641-683**	A680**		68	5,10	50	2.50	21.0	2.44		180
ER1641-753**	A750**		75	5	50	2.50	10.5	2.70		170
ER1641-823**	A820**		82	5,10	50	2.50	10.5	2.70		170
ER1641-913**	A910**		91	5	50	2.50	10.0	3.12		160
ER1641-104**	A101**		100	5,10	50	2.50	10.0	3.12		160
ER1641-114**	A111**		110	5	50	0.79	9.7	3.60		150
ER1641-124**	A121**		120	5,10	55	0.79	9.7	3.60		150
ER1641-134**	A131**		130	5	55	0.79	8.5	4.10		140
ER1641-154**	A151**		150	5,10	55	0.79	8.5	4.10		140
ER1641-164**	A161**		160	5	55	0.79	8.0	4.40		135
ER1641-184**	A181**		180	5,10	55	0.79	8.0	4.40		135
ER1641-204**	A201**		200	5	55	0.79	7.5	5.00		125
ER1641-224**	A221**		220	5,10	55	0.79	7.5	5.00		125
ER1641-244**	A241**		240	5	55	0.79	7.0	5.80		115
ER1641-274**	A271**		270	5,10	55	0.79	7.0	5.80		115
ER1641-304**	A301**		300	5	55	0.79	6.5	6.40		110
ER1641-334**	A331**		330	5,10	55	0.79	6.5	6.40		110
ER1641-364**	A361**		360	5	55	0.79	6.2	7.40		105
ER1641-394**	A391**		390	5,10	60	0.79	6.2	7.40		105
ER1641-434**	A431**		430	5	60	0.79	5.7	9.50		92
ER1641-474**	A471**		470	5,10	60	0.79	5.7	9.50		92
ER1641-514**	A511**		510	5	60	0.79	4.7	10.50		90
ER1641-564**	A561**		560	5,10	60	0.79	4.7	10.50		90
ER1641-624**	A621**		620	5	60	0.79	4.5	11.80		80
ER1641-684**	A681**		680	5,10	60	0.79	4.5	11.80		80
ER1641-754**	A751**		750	5	60	0.79	4.2	13.00		80
ER1641-824**	A821**		820	5,10	60	0.79	4.2	13.00		80
ER1641-914**	A911**		910	5	60	0.79	3.8	17.50		70
ER1641-105**	A102**		1,000	5,10	60	0.79	3.8	17.50		70
MIL-PRF-39010/04										
ER1840-00**	BR15**		0.15	5,10,20	55	25.0	510	0.030		2,900
ER1840-101**	BR16**		0.16	5	50	25.0	415	0.035		2,700
ER1840-01**	BR18**		0.18	5,10	50	25.0	415	0.035		2,700
ER1840-102**	BR20**		0.20	5	50	25.0	415	0.035		2,700
ER1840-02**	BR22**		0.22	5,10,20	50	25.0	415	0.035		2,700
ER1840-103**	BR24**		0.24	5	50	25.0	350	0.065		2,000
ER1840-03**	BR27**		0.27	5,10	50	25.0	350	0.065		2,000
ER1840-104**	BR30**		0.30	5	50	25.0	350	0.065		2,000
ER1840-04**	BR33**		0.33	5,10,20	50	25.0	350	0.065		2,000
ER1840-105**	BR36**		0.36	5	50	25.0	300	0.085		1,700
ER1840-05**	BR39**		0.39	5,10	50	25.0	300	0.085		1,700
ER1840-106**	BR43**		0.43	5	50	25.0	300	0.085		1,700
ER1840-06**	BR47**		0.47	5,10,20	50	25.0	300	0.085		1,700
ER1840-107**	BR51**		0.51	5	50	25.0	270	0.125		1,450
ER1840-07**	BR56**		0.56	5,10	50	25.0	270	0.125		1,450
ER1840-108**	BR62**		0.62	5	45	25.0	250	0.150		1,300
ER1840-08**	BR68**		0.68	5,10	45	25.0	250	0.150		1,300
ER1840-109**	BR75**		0.75	5	40	25.0	210	0.205		1,100
ER1840-09**	BR82**		0.82	5,10	40	25.0	210	0.205		1,100
ER1840-110**	BR91**		0.91	5	40	25.0	200	0.290		930
ER1840-10**	B1R0**		1.00	5,10	40	25.0	200	0.290		930
ER1840-111**	B1R1**		1.10	5	30	7.9	180	0.400		785
ER1840-11**	B1R2**		1.20	5,10	30	7.9	180	0.400		785
ER1840-112**	B1R3**		1.30	5	30	7.9	170	0.485		720
ER1840-12**	B1R5**		1.50	5,10	30	7.9	170	0.485		720
ER1840-113**	B1R6**		1.60	5	30	7.9	150	0.740		580
ER1840-13**	B1R8**		1.80	5,10	30	7.9	150	0.740		580
ER1840-114**	B2R0**		2.00	5	30	7.9	140	0.970		505
ER1840-14**	B2R2**		2.20	5,10	30	7.9	140	0.970		505
ER1840-15**	B2R4**		2.40	5	30	7.9	120	1.200		460
ER1840-16**	B2R7**		2.70	5,10	30	7.9	120	1.200		460

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DELEVAN™
A REGAL REXNORD BRAND

ER SERIES (continued)

DELEVAN PART NUMBER	DASH NUMBER	MILITARY	INDUCTANCE (µH)	IND. TOLERANCE (%)	TEST FREQUENCY (MHz)	Q MINIMUM	SRF MINIMUM (MHz)	MAXIMUM (OHMS @ 25°C)	DC RESISTANCE	RATED DC CURRENT (mA)
MIL-PRF-39010/05										
ER1840-17**	A3R0**		3.00	5	30	7.9	70	0.140		945
ER1840-18**	A3R3**		3.30	5,10	30	7.9	70	0.140		945
ER1840-19**	A3R6**		3.60	5	30	7.9	65	0.155		870
ER1840-20**	A3R9**		3.90	5,10	30	7.9	65	0.155		870
ER1840-21**	A4R3**		4.30	5	30	7.9	60	0.210		745
ER1840-22**	A4R7**		4.70	5,10	30	7.9	60	0.210		745
ER1840-23**	A5R1**		5.10	5	30	7.9	50	0.280		645
ER1840-24**	A5R6**		5.60	5,10	30	7.9	50	0.280		645
ER1840-25**	A6R2**		6.20	5	30	7.9	50	0.375		560
ER1840-26**	A6R8**		6.80	5,10	30	7.9	50	0.375		560
ER1840-27**	A7R5**		7.50	5	30	7.9	48	0.440		520
ER1840-28**	A8R2**		8.20	5,10	30	7.9	48	0.440		520
ER1840-29**	A9R1**		9.10	5	30	7.9	42	0.605		440
ER1840-30**	A100**		10.0	5,10	30	7.9	42	0.605		440
ER1840-31**	A110**		11.0	5	30	2.5	36	1.05		335
ER1840-32**	A120**		12.0	5,10	50	2.5	36	1.05		335
ER1840-33**	A130**		13.0	5	50	2.5	30	1.20		310
ER1840-34**	A150**		15.0	5,10	55	2.5	30	1.20		310
ER1840-135**	A160**		16.0	5	55	2.5	30	1.95		245
ER1840-35**	A180**		18.0	5,10	60	2.5	30	1.95		245
ER1840-136**	A200**		20.0	5	60	2.5	24	2.20		230
ER1840-36**	A220**		22.0	5,10	60	2.5	24	2.20		230
ER1840-37**	A240**		24.0	5	60	2.5	22	2.75		205
ER1840-38**	A270**		27.0	5,10	65	2.5	22	2.75		205
MIL-PRF-39010/06										
ER1537-00**	BR15**		0.15	5,10,20	50	25.0	525	0.030		2,450
ER1537-101**	BR16**		0.16	5	50	25.0	460	0.055		1,810
ER1537-01**	BR18**		0.18	5,10	50	25.0	460	0.055		1,810
ER1537-102**	BR20**		0.20	5	50	25.0	460	0.055		1,810
ER1537-02**	BR22**		0.22	5,10,20	50	25.0	460	0.055		1,810
ER1537-103**	BR24**		0.24	5	45	25.0	360	0.090		1,400
ER1537-03**	BR27**		0.27	5,10	45	25.0	360	0.090		1,400
ER1537-104**	BR30**		0.30	5	45	25.0	360	0.090		1,400
ER1537-04**	BR33**		0.33	5,10,20	45	25.0	360	0.090		1,400
ER1537-105**	BR36**		0.36	5	45	25.0	310	0.12		1,225
ER1537-05**	BR39**		0.39	5,10	45	25.0	310	0.12		1,225
ER1537-106**	BR43**		0.43	5	45	25.0	310	0.12		1,225
ER1537-06**	BR47**		0.47	5,10,20	45	25.0	310	0.12		1,225
ER1537-107**	BR51**		0.51	5	45	25.0	280	0.135		1,150
ER1537-07**	BR56**		0.56	5,10	50	25.0	280	0.135		1,150
ER1537-108**	BR62**		0.62	5	50	25.0	250	0.150		1,100
ER1537-08**	BR68**		0.68	5,10	50	25.0	250	0.150		1,100
ER1537-09**	BR75**		0.75	5	50	25.0	220	0.220		900
ER1537-10**	BR82**		0.82	5,10	50	25.0	220	0.220		900
ER1537-11**	BR91**		0.91	5	50	25.0	200	0.290		785
ER1537-12**	B1R0**		1.00	5,10	50	25.0	200	0.290		785
ER1537-13**	B1R1**		1.10	5	33	7.9	180	0.420		650
ER1537-14**	B1R2**		1.20	5,10	33	7.9	180	0.420		650
ER1537-15**	B1R3**		1.30	5	33	7.9	160	0.500		600
ER1537-16**	B1R5**		1.50	5,10	33	7.9	160	0.500		600
ER1537-17**	B1R6**		1.60	5	33	7.9	150	0.650		525
ER1537-18**	B1R8**		1.80	5,10	33	7.9	150	0.650		525
ER1537-19**	B2R0**		2.00	5	33	7.9	135	0.950		435
ER1537-20**	B2R2**		2.20	5,10	33	7.9	135	0.950		435
ER1537-21**	B2R4**		2.40	5	33	7.9	120	1.20		385
ER1537-22**	B2R7**		2.70	5,10	33	7.9	120	1.20		385
ER1537-23**	B3R0**		3.00	5	33	7.9	110	2.00		300
ER1537-24**	B3R3**		3.30	5,10	33	7.9	110	2.00		300
ER1537-25**	B3R6**		3.60	5	33	7.9	100	2.30		280
ER1537-26**	B3R9**		3.90	5,10	33	7.9	100	2.30		280
ER1537-27**	B4R3**		4.30	5	33	7.9	90	2.60		260
ER1537-28**	B4R7**		4.70	5,10	33	7.9	90	2.60		260

DELEVAN PART NUMBER	DASH NUMBER	MILITARY	INDUCTANCE (µH)	IND. TOLERANCE (%)	TEST FREQUENCY (MHz)	Q MINIMUM	SRF MINIMUM (MHz)	MAXIMUM (OHMS @ 25°C)	DC RESISTANCE	RATED DC CURRENT (mA)
MIL-PRF-39010/07										
ER1537-29**	A5R1**		5.1	5	45	7.90	60.0		0.32	495
ER1537-30**	A5R6**		5.6	5,10	45	7.90	60.0		0.32	495
ER1537-31**	A6R2**		6.2	5	45	7.90	55.0		0.50	395
ER1537-32**	A6R8**		6.8	5,10	50	7.90	55.0		0.50	395
ER1537-33**	A7R5**		7.5	5	50	7.90	50.0		0.60	360
ER1537-34**	A8R2**		8.2	5,10	50	7.90	50.0		0.60	360
ER1537-35**	A9R1**		9.1	5	50	7.90	45.0		0.90	290
ER1537-36**	A100**		10.0	5,10	55	7.90	45.0		0.90	290
ER1537-37**	A110**		11.0	5	55	2.50	42.0		1.10	265
ER1537-38**	A120**		12.0	5,10	65	2.50	42.0		1.10	265
ER1537-39**	A130**		13.0	5	65	2.50	40.0		1.40	240
ER1537-40**	A150**		15.0	5,10	65	2.50	40.0		1.40	240
ER1537-41**	A160**		16.0	5	65	2.50	34.0		2.25	185
ER1537-42**	A180**		18.0	5,10	75	2.50	34.0		2.25	185
ER1537-43**	A200**		20.0	5	75	2.50	30.0		2.50	175
ER1537-44**	A220**		22.0	5,10	75	2.50	30.0		2.50	175
ER1537-46**	A240**		24.0	5	60	2.50	25.0		2.60	170
ER1537-48**	A270**		27.0	5,10	60	2.50	25.0		2.60	170
ER1537-50**	A300**		30.0	5	60	2.50	19.0		3.00	165
ER1537-52**	A330**		33.0	5,10	65	2.50	19.0		3.00	165
ER1537-54**	A360**		36.0	5	60	2.50	15.5		2.50	180
ER1537-56**	A390**		39.0	5	60	2.50	14.5		2.60	176
ER1537-58**	A430**		43.0	5	60	2.50	13.7		2.70	172
ER1537-60**	A470**		47.0	5	55	2.50	13.0		2.75	170
ER1537-62**	A510**		51.0	5	55	2.50	12.7		2.85	167
ER1537-64**	A560**		56.0	5	55	2.50	12.0		3.00	164
ER1537-66**	A620**		62.0	5	55	2.50	11.5		3.15	160
ER1537-68**	A680**		68.0	5	55	2.50	11.0		3.30	156
ER1537-70**	A750**		75.0	5	55	2.50	10.5		3.70	147
ER1537-72**	A820**		82.0	5	50	2.50	10.3		3.90	143
ER1537-74**	A910**		91.0	5	50	2.50	10.0		4.30	136
ER1537-76**	A101**		100.0	5	50	2.50	9.50		4.50	133
ER1537-78**	A111**		110.0	5	60	0.79	8.90		4.90	128
ER1537-80**	A121**		120.0	5	65	0.79	8.70		5.20	124
ER1537-82**	A131**		130.0	5	65	0.79	8.50		5.45	121
ER1537-84**	A151**		150.0	5	65	0.79	8.00		6.05	114
ER1537-86**	A161**		160.0	5	65	0.79	7.50		6.40	111
ER1537-88**	A181**		180.0	5	65	0.79	7.00		6.75	108
ER1537-90**	A201**		200.0	5	65	0.79	6.50		7.10	106
ER1537-92**	A221**		220.0	5	65	0.79	6.20		7.45	103
ER1537-94**	A241**		240.0	5	65	0.79	5.90		7.80	101
MIL-PRF-39010/08										
ER1025-94**	BR10**		0.10	5,10	40	25.0	680		0.08	1,350
ER1025-95**	BR11**		0.11	5	40	25.0	640		0.09	1,270
ER1025-96**	BR12**		0.12	5,10	40	25.0	640		0.09	1,270
ER1025-97**	BR13**		0.13	5	38	25.0	600		0.10	1,200
ER1025-00**	BR15**		0.15	5,10	38	25.0	600		0.10	1,200
ER1025-01**	BR16**		0.16	5	35	25.0	550		0.12	1,105
ER1025-02**	BR18**		0.18	5,10	35	25.0	550		0.12	1,105
ER1025-03**	BR20**		0.20	5	33	25.0	510		0.14	1,025
ER1025-04**	BR22**		0.22	5,10	33	25.0	510		0.14	1,025
ER1025-05**	BR24**		0.24	5	33	25.0	430		0.16	960
ER1025-06**	BR27**		0.27	5,10	33	25.0	430		0.16	960
ER1025-07**	BR30**		0.30	5	30	25.0	410		0.22	815
ER1025-08**	BR33**		0.33	5,10	30	25.0	410		0.22	815
ER1025-09**	BR36**		0.36	5	30	25.0	365		0.30	700
ER1025-10**	BR39**		0.39	5,10	30	25.0	365		0.30	700
ER1025-11**	BR43**		0.43	5	30	25.0	330		0.35	650
ER1025-12**	BR47**		0.47	5,10	30	25.0	330		0.35	650
ER1025-13**	BR51**		0.51	5	30	25.0	300		0.50	545
ER1025-14**	BR56**		0.56	5,10	30	25.0	300		0.50	545
ER1025-15**	BR62**		0.62	5	28	25.0	275		0.60	495
ER1025-16**	BR68**		0.68	5,10	28	25.0	275		0.60	495
ER1025-17**	BR75**		0.75	5	28	25.0	250		0.85	415
ER1025-18**	BR82**		0.82	5,10	28	25.0	250		0.85	415
ER1025-19**	BR91**		0.91	5	25	25.0	230		1.00	385
ER1025-20**	B1R0**		1.00	5,10	25	25.0	230		1.00	385

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DELEVAN™
A REGAL REXNORD BRAND

ER SERIES (continued)

DELEVAN PART NUMBER	DASH NUMBER	MILITARY	INDUCTANCE (µH)	IND. TOLERANCE (%)	TEST FREQUENCY (MHz)	Q MINIMUM	SRF MINIMUM (MHz)	MAXIMUM (OHMS @ 25°C) DC RESISTANCE	RATED DC CURRENT (mA)
MIL-PRF-39010/09									
ER1025-21**	A1R1**	1.1	5	25	7.9	150	0.18	590
ER1025-22**	A1R2**	1.2	5,10	25	7.9	150	0.18	590
ER1025-23**	A1R3**	1.3	5	25	7.9	140	0.22	535
ER1025-24**	A1R5**	1.5	5,10	28	7.9	140	0.22	535
ER1025-25**	A1R6**	1.6	5	28	7.9	125	0.30	455
ER1025-26**	A1R8**	1.8	5,10	30	7.9	125	0.30	455
ER1025-27**	A2R0**	2.0	5	30	7.9	115	0.40	395
ER1025-28**	A2R2**	2.2	5,10	30	7.9	115	0.40	395
ER1025-29**	A2R4**	2.4	5	30	7.9	100	0.55	335
ER1025-30**	A2R7**	2.7	5,10	37	7.9	100	0.55	335
ER1025-31**	A3R0**	3.0	5	37	7.9	90	0.85	270
ER1025-32**	A3R3**	3.3	5,10	45	7.9	90	0.85	270
ER1025-33**	A3R6**	3.6	5	45	7.9	80	1.00	250
ER1025-34**	A3R9**	3.9	5,10	45	7.9	80	1.00	250
ER1025-35**	A4R3**	4.3	5	45	7.9	75	1.20	230
ER1025-36**	A4R7**	4.7	5,10	45	7.9	75	1.20	230
ER1025-37**	A5R1**	5.1	5	45	7.9	65	1.80	185
ER1025-38**	A5R6**	5.6	5,10	50	7.9	65	1.80	185
ER1025-39**	A6R2**	6.2	5	50	7.9	60	2.00	175
ER1025-40**	A6R8**	6.8	5,10	50	7.9	60	2.00	175
ER1025-41**	A7R5**	7.5	5	50	7.9	55	2.70	155
ER1025-42**	A8R2**	8.2	5,10	55	7.9	55	2.70	155
ER1025-43**	A9R1**	9.1	5	55	7.9	50	3.70	130
ER1025-44**	A100**	10.0	5,10	55	7.9	50	3.70	130
ER1025-45**	A110**	11.0	5	45	2.5	40	2.70	130
ER1025-46**	A120**	12.0	5,10	45	2.5	40	2.70	155
ER1025-47**	A130**	13.0	5	40	2.5	35	2.80	150
ER1025-48**	A150**	15.0	5,10	40	2.5	35	2.80	150
ER1025-49**	A160**	16.0	5	40	2.5	30	3.10	145
ER1025-50**	A180**	18.0	5,10	50	2.5	30	3.10	145
ER1025-51**	A200**	20.0	5	50	2.5	25	3.30	140
ER1025-52**	A220**	22.0	5,10	50	2.5	25	3.30	140
ER1025-53**	A240**	24.0	5	50	2.5	20	3.50	135
ER1025-54**	A270**	27.0	5,10	50	2.5	20	3.50	135

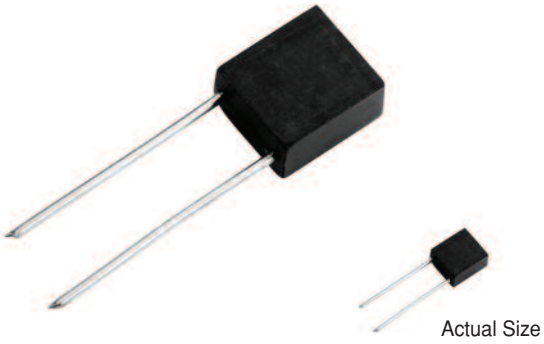
DELEVAN PART NUMBER	DASH NUMBER	MILITARY	INDUCTANCE (µH)	IND. TOLERANCE (%)	TEST FREQUENCY (MHz)	Q MINIMUM	SRF MINIMUM (MHz)	MAXIMUM (OHMS @ 25°C) DC RESISTANCE	RATED DC CURRENT (mA)
MIL-PRF-39010/10									
ER1025-55**	A300**	30.0	5	45	2.50	24	3.4	130
ER1025-56**	A330**	33.0	5,10	45	2.50	24	3.4	130
ER1025-57**	A360**	36.0	5	45	2.50	22	3.6	125
ER1025-58**	A390**	39.0	5,10	45	2.50	22	3.6	125
ER1025-59**	A430**	43.0	5	45	2.50	20	4.5	110
ER1025-60**	A470**	47.0	5,10	45	2.50	20	4.5	110
ER1025-61**	A510**	51.0	5	45	2.50	18	5.7	100
ER1025-62**	A560**	56.0	5,10	45	2.50	18	5.7	100
ER1025-63**	A620**	62.0	5	45	2.50	15	6.7	92
ER1025-64**	A680**	68.0	5,10	50	2.50	15	6.7	92
ER1025-65**	A750**	75.0	5	50	2.50	14	7.3	88
ER1025-66**	A820**	82.0	5,10	50	2.50	14	7.3	88
ER1025-67**	A910**	91.0	5	50	2.50	13	8.0	84
ER1025-68**	A101**	100	5,10	50	2.50	13	8.0	84
ER1025-69**	A111**	110	5	30	0.79	12	13.0	66
ER1025-70**	A121**	120	5,10	30	0.79	12	13.0	66
ER1025-71**	A131**	130	5	30	0.79	11	15.0	61
ER1025-72**	A151**	150	5,10	30	0.79	11	15.0	61
ER1025-73**	A161**	160	5	30	0.79	10	17.0	57
ER1025-74**	A181**	180	5,10	30	0.79	10	17.0	57
ER1025-75**	A201**	200	5	30	0.79	9.0	21.0	52
ER1025-76**	A221**	220	5,10	30	0.79	9.0	21.0	52
ER1025-77**	A241**	240	5	30	0.79	8.0	25.0	47
ER1025-78**	A271**	270	5,10	30	0.79	8.0	25.0	47
ER1025-79**	A301**	300	5	30	0.79	7.0	28.0	45
ER1025-80**	A331**	330	5,10	30	0.79	7.0	28.0	45
ER1025-81**	A361**	360	5	30	0.79	6.5	35.0	40
ER1025-82**	A391**	390	5,10	30	0.79	6.5	35.0	40
ER1025-83**	A431**	430	5	30	0.79	6.0	42.0	36
ER1025-84**	A471**	470	5,10	30	0.79	6.0	42.0	36
ER1025-85**	A511**	510	5	30	0.79	5.0	46.0	35
ER1025-86**	A561**	560	5,10	30	0.79	5.0	46.0	35
ER1025-87**	A621**	620	5	30	0.79	4.0	60.0	30
ER1025-88**	A681**	680	5,10	30	0.79	4.0	60.0	30
ER1025-89**	A751**	750	5	30	0.79	3.8	65.0	29
ER1025-90**	A821**	820	5,10	30	0.79	3.8	65.0	29
ER1025-91**	A911**	910	5	30	0.79	3.4	72.0	28
ER1025-92**	A102**	1,000	5,10	30	0.79	3.4	72.0	28

SERIES 2020R 2020

RoHS Compliant

MILITARY QPL APPROVED

Radial Toroidal Inductors



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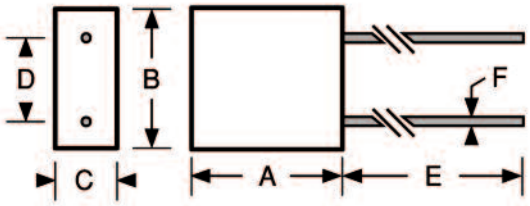


DASH NUMBER*	MIL DASH #	INDUCTANCE (µH)	TOLERANCE	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
MS21422– SERIES 2020 IRON CORE (LT4K)								
-00K	1	0.10	±10%	55	25.0	450	0.04	2200
-02K	2	0.12	±10%	60	25.0	400	0.05	2000
-04K	3	0.15	±10%	60	25.0	350	0.06	1800
-06K	4	0.18	±10%	60	25.0	320	0.07	1600
-08K	5	0.22	±10%	65	25.0	300	0.08	1500
-10K	6	0.27	±10%	65	25.0	280	0.10	1400
-12K	7	0.33	±10%	65	25.0	260	0.11	1300
-14K	8	0.39	±10%	65	25.0	240	0.14	1200
-16K	9	0.47	±10%	65	25.0	220	0.17	1100
-18K	10	0.56	±10%	70	25.0	200	0.22	1000
-20K	11	0.68	±10%	70	25.0	180	0.27	900
-22K	12	0.82	±10%	70	25.0	160	0.30	800
-24J	13	1.0	±5%	70	25.0	150	0.35	750
-26J	14	1.2	±5%	60	7.9	130	0.40	700
-28J	15	1.5	±5%	60	7.9	120	0.50	630
-30J	16	1.8	±5%	60	7.9	110	0.70	530
-32J	17	2.2	±5%	60	7.9	100	0.90	470
-34J	18	2.7	±5%	60	7.9	90	1.1	420
-36J	19	3.3	±5%	60	7.9	70	1.3	390
-38J	20	3.9	±5%	60	7.9	60	1.5	360
-40J	21	4.7	±5%	60	7.9	50	1.8	330
-42J	22	5.6	±5%	60	7.9	45	2.0	310
-44J	23	6.8	±5%	60	7.9	40	2.2	300
-46J	24	8.2	±5%	60	7.9	37	2.4	290
-48J	25	10.0	±5%	60	7.9	35	2.6	280

Parts listed above are QPL/MIL qualified

Optional Tolerances: J = 5% H = 3%

*Complete part # must include series # PLUS the dash #

Military Specifications MS21422 (LT4K)

Physical Parameters

	Inches	Millimeters
A	0.200 to 0.230	5.08 to 5.84
B	0.190 to 0.210	4.83 to 5.33
C	0.090 to 0.110	2.29 to 2.79
D	0.090 to 0.110	2.29 to 2.79
E	1.00 Min.	25.40 Min.
F	0.0185 to 0.0215	0.47 to 0.55

Current Rating at 90°C Ambient 35°C Rise

Operating Temperature Range –55°C to +125°C

Maximum Power Dissipation at 90°C 0.2 W

Weight Max. (Grams) 0.5

Core Material Iron

Lead Size AWG #24 TCW

Note Inductance measured .25" from body

Packaging Bulk only

Made In the U.S.A.

QPL Marking MS214;22- followed by the military dash number; Delevan cage code (99800); date code (YYWWL).

Non QPL Marking DELEVAN; 2020; dash number; date code (YYWWL).
Note: An R after 2020 indicates a RoHS component.

QPL Example: 2020-00K (MS21422-01)

MS214
22-01
99800
0213A

RoHS/Tight Tolerance Example: 2020R-00J

DELEVAN
2020R
-02J
0827A

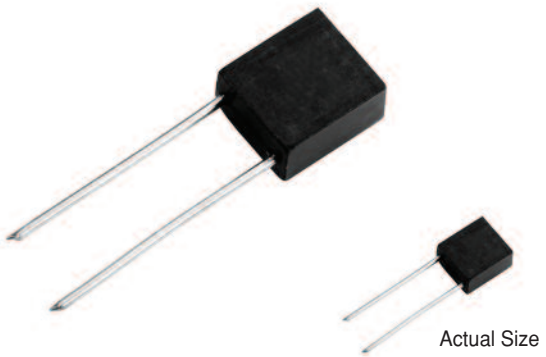
DELEVAN™
A REGAL REXNORD BRAND

SERIES 2727R 2727

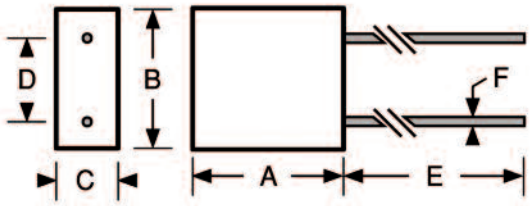
RoHS Compliant

Traditional First Quality

Radial Toroidal Inductors



Actual Size



DASH NUMBER*	INDUCTANCE (µH) ±5%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 2727 IRON CORE						
-01J	10.0	75	2.5	35	1.1	420
-02J	12.0	75	2.5	31	1.3	385
-03J	15.0	75	2.5	27	1.5	360
-04J	18.0	80	2.5	24	1.9	320
-05J	22.0	80	2.5	22	2.3	290
-06J	27.0	80	2.5	20	2.7	265
-07J	33.0	80	2.5	18	3.3	240
-08J	39.0	80	2.5	16	3.9	220
-09J	47.0	80	2.5	14	4.7	200
-10J	56.0	80	2.5	12	5.6	185
-11J	68.0	80	2.5	11	6.8	165
-12J	82.0	80	2.5	10	8.1	155
-13J	100.0	80	2.5	9.1	9.7	140
-14J	120.0	45	0.79	8.2	12	125
-15J	150.0	45	0.79	7.3	14	115
-16J	180.0	45	0.79	6.4	17	105
-17J	220.0	50	0.79	5.6	20	96
-18J	270.0	55	0.79	5.0	24	90
-19J	330.0	55	0.79	4.4	19	100
-20J	390.0	55	0.79	3.9	22	93
-21J	470.0	55	0.79	3.5	27	84
-22J	560.0	55	0.79	3.1	32	77
-23J	680.0	55	0.79	2.8	19	100
-24J	820.0	50	0.79	2.5	23	92
-25J	1000.0	50	0.79	2.2	27	84

*Complete part # must include series # PLUS the dash #

Military Specification MS21424 (Ref.)

Physical Parameters

	Inches	Millimeters
A	0.270 to 0.300	6.86 to 7.62
B	0.260 to 0.280	6.60 to 7.11
C	0.140 to 0.160	3.56 to 4.06
D	0.190 to 0.210	4.83 to 5.33
E	1.00 Min.	25.40 Min.
F	0.023 to 0.027	0.584 to 0.686

Current Rating at 90°C Ambient 35°C Rise

Operating Temperature –55°C to +125°C

Maximum Power Dissipation at 90°C 0.33 W

Core Material Iron

Weight Max. (Grams) 1.0

Lead Size AWG #22 TCW

Marking 2727; dash number with tolerance letter; Delevan cage code (99800); date code (YYWWL). Note: An R after 2727 indicates a RoHS component.
Example: 2727-25J
2727
-25J
99800
0908A

Packaging Bulk only

Made in the U.S.A.

DELEVAN™ A REGAL REXNORD BRAND

SERIES

9405R & 9406R
9405 & 9406

RoHS Compliant

Traditional First Quality

Tunable Variable RF Coils

Leads AWG #24 Tinned Copperweld

Tuning Torque 0.1 to 3.5 oz. in.

Pin #1 is identified by white dot on 9406 only.

Current Rating at 90°C Ambient 35°C Rise

Operating Temperature Range
–55°C to +125°C

Max. Power Dissipation at 90°C - 0.3 W

Weight Max. (Grams) 4.0

Units are electro-magnetically shielded

Core and Shield Material Ferrite

Ordering Information
Vertical Coil = Dash No. prefixed by 9405; Horizontal Coil = Dash No. prefixed by 9406. Additionally – an electrostatic shield for 9405 is available on a custom basis; order as 9415-XX

9405 Marking DEC; part number

9406 Marking Part number; DEC

Example: 9405R-10

DEC
9405R-10

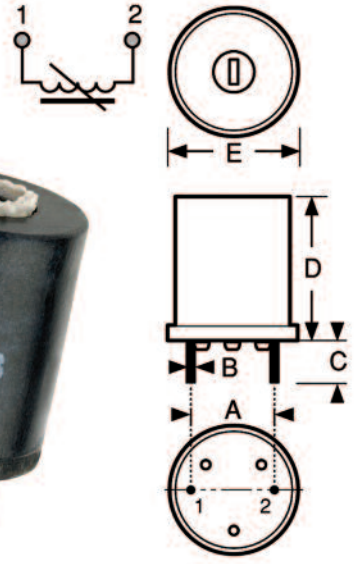
Packaging Bulk only

Made in the U.S.A.

DASH NUMBER*	NOMINAL INDUCTANCE (µH)	INDUCTANCE MINIMUM (µH)	INDUCTANCE MAXIMUM (µH)	TEST FREQUENCY (MHz)	Q MINIMUM @ L MIN.	Q MINIMUM @ L MAX.	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
-1	0.10	0.080	0.120	25.0	45	43	250.0	0.030	2690.0
-2	0.15	0.120	0.180	25.0	53	50	198.0	0.035	2490.0
-4	0.22	0.154	0.286	25.0	55	52	195.0	0.056	1970.0
-6	0.33	0.231	0.429	25.0	51	49	142.0	0.060	1900.0
-8	0.47	0.329	0.611	25.0	53	51	110.0	0.064	1840.0
-10	0.68	0.476	0.884	25.0	51	48	130.0	0.073	1720.0
-12	1.00	0.700	1.30	25/7.9	51	67	95.0	0.600	600.0
-14	1.50	1.05	1.95	7.9	55	82	76.0	0.620	590.0
-16	2.20	1.54	2.86	7.9	65	103	57.0	0.720	550.0
-18	3.30	2.31	4.29	7.9	70	91	39.0	1.05	455.0
-20	4.70	3.29	6.11	7.9	74	87	37.0	1.15	435.0
-22	6.80	4.76	8.84	7.9	72	88	27.0	1.30	410.0
-24	10.0	7.00	13.0	7.9/2.5	72	87	18.0	1.50	380.0
-26	15.0	10.5	19.5	2.5	66	93	16.0	2.35	305.0
-28	22.0	15.4	28.6	2.5	74	102	12.0	2.80	278.0
-30	33.0	23.1	42.9	2.5	83	110	11.0	3.00	269.0
-32	47.0	32.9	61.1	2.5	76	96	8.0	3.70	242.0
-34	68.0	47.6	88.4	2.5	70	73	7.0	4.35	223.0
-36	100.0	70.0	130.0	2.5/0.79	65	67	6.5	5.50	198.0
-38	150.0	105.0	195.0	0.79	53	81	4.5	9.20	153.0
-40	220.0	154.0	286.0	0.79	61	83	3.5	9.70	149.0
-42	330.0	231.0	429.0	0.79	42	57	3.2	14.0	124.0
-44	470.0	329.0	611.0	0.79	48	67	3.1	15.0	120.0
-46	680.0	476.0	884.0	0.79	45	57	2.4	20.0	104.0
-48	1000.0	700.0	1300.0	0.79/0.25	48	52	1.9	24.5	94.0
-50	1500.0	1050.0	1950.0	0.25	38	53	1.3	30.0	85.0
-52	2200.0	1540.0	2860.0	0.25	42	65	1.2	38.0	75.5
-54	3300.0	2310.0	4290.0	0.25	42	57	0.85	45.0	69.5
-56	4700.0	3290.0	6110.0	0.25	38	51	0.68	70.0	55.5
-58	6800.0	4760.0	8840.0	0.25	38	49	0.60	100.0	46.5
-60	10000.0	7000.0	13000.0	0.25/0.079	40	40	0.50	115.0	43.5

*Complete part # must include series # PLUS the dash #

Actual Size



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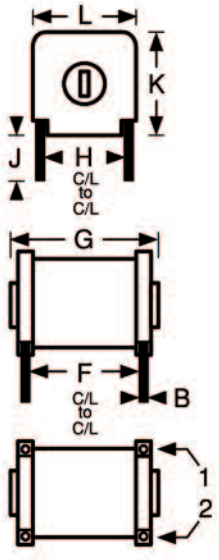


Physical Parameters

Dimension	A	B	C	D	E	F	G	H	J	K, L
In.	0.200 ± 0.010	0.020 ± 0.0015	0.187 ± 0.020	0.500 max.	0.380 max.	0.400 ± 0.020	0.500 max.	0.300 ± 0.010	0.187 ± 0.020	0.375 max.
mm	5.08 ± 0.25	0.508 ± 0.038	4.75 ± 0.51	12.7 max.	9.65 max.	10.16 ± 0.51	12.7 max.	7.62 ± 0.25	4.75 ± 0.51	9.53 max.

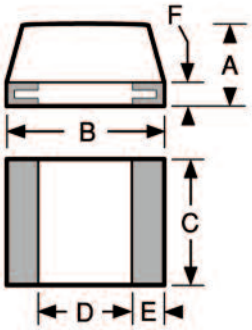
DELEVAN™
A REGAL REXNORD BRAND

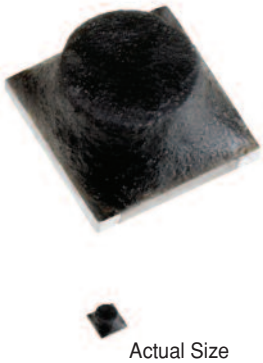
SERIES P160R P160

RoHS Compliant

Traditional First Quality

Power Micro i® Chip Inductors





Actual Size

Physical Parameters

	Inches	Millimeters
A	0.100 Max.	2.54 Max.
B	0.145 to 0.155	3.68 to 3.94
C	0.115 to 0.125	2.92 to 3.18
D	0.070 Min.	1.78 Min.
E	0.020 to 0.030	0.508 to 0.762
F	0.020 Max. (Typ.)	0.51 Max.

Operating Temperature Range -55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.170 W

Termination Standard-Tin/Lead. For RoHS, order P160R-XXXKS. Consult the factory for additional finish options.

Inductance Measured at 0.100VAC with no DC Current

Incremental Current The current at which the inductance will be decreased by a maximum of 5% from its initial 0 ADC value

Packaging Bulk only

DASH NUMBER*	INDUCTANCE (µH) ±10%@ 100 kHz	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)	INCREMENTAL CURRENT (mA)
SERIES P160 FERRITE CORE				
-331KS	0.330	0.033	1929	2636
-391KS	0.390	0.035	1873	2417
-471KS	0.470	0.038	1797	2231
-561KS	0.560	0.041	1730	2071
-681KS	0.680	0.044	1670	1933
-821KS	0.820	0.050	1567	1706
-102KS	1.00	0.056	1480	1526
-122KS	1.20	0.078	1254	1381
-152KS	1.50	0.086	1195	1261
-182KS	1.80	0.093	1149	1160
-222KS	2.20	0.11	1056	1036
-272KS	2.70	0.12	1011	935
-332KS	3.30	0.16	876	829
-392KS	3.90	0.17	850	784
-472KS	4.70	0.24	715	707
-562KS	5.60	0.26	687	644
-682KS	6.80	0.28	662	592
-822KS	8.20	0.40	554	537
-103KS	10.0	0.57	464	483
-123KS	12.0	0.63	441	439
-153KS	15.0	0.70	419	397
-183KS	18.0	1.0	350	358
-223KS	22.0	1.1	334	326
-273KS	27.0	1.2	320	293
-333KS	33.0	1.6	277	266
-393KS	39.0	1.8	261	244
-473KS	47.0	1.9	254	223
-563KS	56.0	2.7	213	204
-683KS	68.0	2.9	206	185
-823KS	82.0	3.2	196	169
-104KS	100	4.6	163	153
-124KS	120	5.0	157	139
-154KS	150	6.8	134	124
-184KS	180	7.5	128	114
-224KS	220	9.8	112	103
-274KS	270	10.8	107	93
-334KS	330	12.0	101	84

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

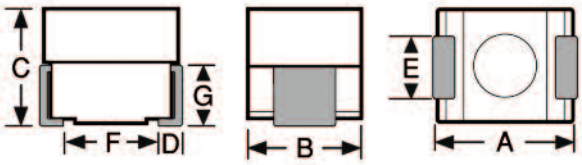
SERIES SP1210R SP1210

RoHS Compliant

Traditional First Quality

Shielded Surface Mount Power Inductors

Actual Size



Physical Parameters

	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.66
C	0.081 to 0.101	2.06 to 2.57
D	0.016 Min.	0.41 Min.
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref. Only)	1.78 (Ref. Only)
G	0.054 (Ref Only)	1.37 (Ref. Only)

Dimensions "A" and "C" are over terminals.

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.287 W

Inductance Measured at 1V with no DC current

Incremental Current The current at which the inductance will be decreased by a maximum of 5% from its initial DC value

Marking Delevan, dash number followed by an SP, date code/lot (YYWWL). Note: An R before the date code/lot symbol indicates a RoHS component.
Example: SP1210R-102J
DELEVAN
102 SP
R1742A

Packaging Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.

Coupling 5% Typical (Ref. M83446, 1mm spacing)

Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±10% @100 kHz	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA DC)	INCREMENTAL CURRENT (mA DC)
SERIES SP1210 FERRITE CORE				
-471K	0.470	0.100	1440	1870
-561K	0.560	0.109	1380	1720
-681K	0.680	0.119	1320	1580
-821K	0.820	0.133	1250	1420
-102K	1.00	0.147	1190	1290
-122K	1.20	0.160	1140	1180
-152K	1.5	0.175	1080	1060
-182K	1.80	0.195	1030	965
-222K	2.20	0.211	992	892
-272K	2.70	0.305	826	784
-332K	3.30	0.440	692	718
-392K	3.90	0.470	665	665
-472K	4.70	0.520	633	601
-562K	5.60	0.570	606	550
-682K	6.80	0.630	576	497
-822K	8.20	0.880	487	454
-103K	10.0	0.960	464	410
-123K	12.0	1.3	400	375
-153K	15.0	1.8	338	336
-183K	18.0	2.0	322	304
-223K	22.0	2.2	306	275
-273K	27.0	2.5	291	249
-333K	33.0	3.5	243	225
-393K	39.0	4.6	212	207
-473K	47.0	5.0	203	189
-563K	56.0	5.5	194	174
-683K	68.0	6.1	185	157
-823K	82.0	7.9	162	143
-104K	100	8.7	154	129
-124K	120	9.6	147	118
-154K	150	13.5	124	106
-184K	180	14.7	119	96
-224K	220	20.7	100	87
-274K	270	23.0	95	79
-334K	330	26.8	88	71
-394K	390	32.4	80	65

Optional Tolerances: J = 5% H = 3% G = 2%

*Complete part # must include series # PLUS the dash #

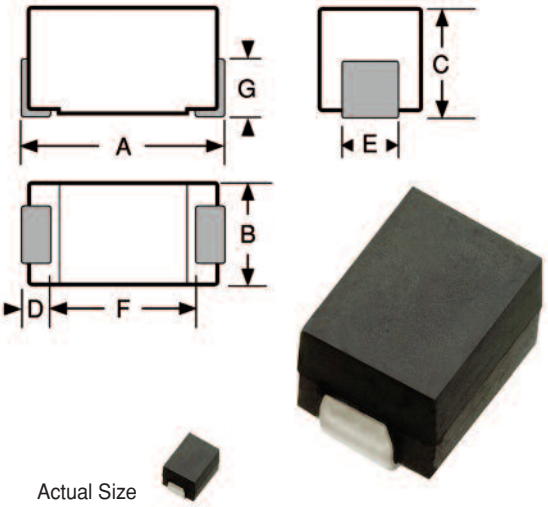
DELEVAN™ A REGAL REXNORD BRAND

SERIES P1330R P1330

RoHS Compliant

Traditional First Quality

Surface Mount Power Inductors



Actual Size

Physical Parameters

	Inches	Millimeters
A	0.300 to 0.325	7.62 to 8.26
B	0.105 to 0.125	2.67 to 3.18
C	0.125 to 0.145	3.18 to 3.68
D	0.020 Min.	0.508 Min.
E	0.040 to 0.060	1.02 to 1.52
F	0.190 (Ref. only)	4.83 (Ref. only)
G	0.070 (Ref. only)	1.78 (Ref. only)

Weight Max (Grams) 0.30

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.210 W

Inductance Measured at 1V with no DC current

Incremental Current The current at which the inductance will be decreased by a maximum of 5% from its initial zero DC value.

Marking Delevan; dash number followed by a P; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: P1330-104J
DELEVAN
104 P
1819A

Packaging Tape & reel (16mm): 7" reel, 500 pieces max.; 13" reel, 2200 pieces max.

Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±10% @1 kHz	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA DC)	INCREMENTAL CURRENT (mA DC)
SERIES P1330 FERRITE CORE				
-102K	1.0	0.045	2780	1526
-122K	1.2	0.048	2690	1400
-152K	1.5	0.053	2030	1291
-182K	1.8	0.055	1950	1180
-222K	2.2	0.075	1690	1104
-272K	2.7	0.085	1550	936
-332K	3.3	0.108	1460	840
-392K	3.9	0.118	1390	732
-472K	4.7	0.130	1330	720
-562K	5.6	0.150	1110	612
-682K	6.8	0.165	1080	600
-822K	8.2	0.180	1020	600
-103K	10	0.216	946	564
-123K	12	0.252	912	516
-153K	15	0.288	858	432
-183K	18	0.328	817	420
-223K	22	0.384	694	348
-273K	27	0.425	657	324
-333K	33	0.538	568	270
-393K	39	0.600	488	270
-473K	47	0.792	467	246
-563K	56	0.900	442	216
-683K	68	1.020	384	174
-823K	82	1.380	362	150
-104K	100	1.680	347	132
-124K	120	1.800	327	111
-154K	150	2.040	272	106
-184K	180	2.400	261	89
-224K	220	2.648	223	72
-274K	270	4.320	191	60
-334K	330	4.800	179	57
-394K	390	5.640	171	48
-474K	470	6.000	161	41
-564K	560	6.960	138	35
-684K	680	8.760	130	30
-824K	820	9.960	113	26
-105K	1000	11.160	105	22

Optional Tolerances: J = 5% H = 3% G = 2%

*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

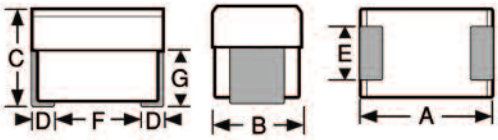
SERIES P1812R P1812

RoHS Compliant

Traditional First Quality

Surface Mount Power Inductors

Actual Size



Physical Parameters

	Inches	Millimeters
A	0.166 to 0.190	4.22 to 4.83
B	0.118 to 0.134	3.00 to 3.40
C	0.118 to 0.134	3.00 to 3.40
D	0.015 Min.	0.38 Min.
E	0.054 to 0.078	1.37 to 1.98
F	0.118 (Ref. only)	3.00 (Ref. only)
G	0.066 (Ref. only)	1.68 (Ref. only)

Dimensions “A” and “C” are over terminals

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.278 W

Inductance Measured at 1V with no DC current

Incremental Current The current at which the inductance will be decreased by a maximum of 5% from its initial zero DC value.

Marking Delevan; dash number followed by a P; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: P1812R-182K
DELEVAN
182 P
R 1828A

Packaging Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.

Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±10% @1 kHz	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA DC)	INCREMENTAL CURRENT (mA DC)
SERIES P1812 FERRITE CORE				
-102K	1.0	0.113	1050	2400
-122K	1.2	0.199	1000	2158
-152K	1.5	0.222	950	1980
-182K	1.8	0.240	900	1828
-222K	2.2	0.268	850	1697
-272K	2.7	0.288	800	1513
-332K	3.3	0.323	750	1397
-392K	3.9	0.347	700	1250
-472K	4.7	0.401	650	1131
-562K	5.6	0.437	650	1060
-682K	6.8	0.472	600	990
-822K	8.2	0.548	600	871
-103K	10	0.608	550	772
-123K	12	0.670	550	752
-153K	15	0.780	450	693
-183K	18	0.875	400	614
-223K	22	1.200	370	515
-273K	27	1.404	330	465
-333K	33	1.578	300	425
-393K	39	1.848	280	376
-473K	47	2.064	260	366
-563K	56	2.268	240	336
-683K	68	3.408	220	297
-823K	82	3.648	200	267
-104K	100	4.320	180	238
-124K	120	6.000	160	208
-154K	150	6.432	140	183
-184K	180	8.400	120	158
-224K	220	9.680	120	143
-274K	270	12.720	100	129
-334K	330	15.240	90	118

Optional Tolerances: J = 5% H = 3% G = 2%

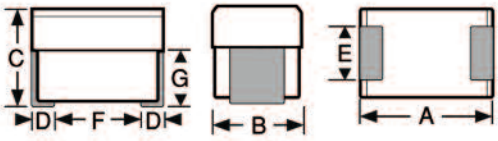
*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

SERIES MILP1812

MIL-PRF-27/368, T Level Qualified Surface Mount Power Inductors

Actual Size



Physical Parameters

	Inches	Millimeters
A	0.166 to 0.190	4.22 to 4.83
B	0.118 to 0.134	3.00 to 3.40
C	0.118 to 0.134	3.00 to 3.40
D	0.015 Min.	0.38 Min.
E	0.054 to 0.078	1.37 to 1.98
F	0.118 (Ref. only)	3.00 (Ref. only)
G	0.066 (Ref. only)	1.68 (Ref. only)

Dimensions “A” and “C” are over terminals

Military QPL Approval
M27/368 T Level, Grade 5, encapsulted

Level T Magnetics are 100% Tested per MIL-PRF-27 Group A Subgroup I which includes:
1) Thermal Shock, 25 cycles
2) Burn In, 96 hours
3) Radiographic (X-Ray) Inspection

Operating Temperature Range –55°C to +130°C
Current Rating at 90°C Ambient 40°C Rise
Maximum Power Dissipation at 90°C 0.278 W

Inductance Measured at 1VAC with no DC current
Incremental Current The current at which the inductance will decrease by a maximum of 5% from its inductance at zero DC current.

Lead Finish
Sn63 Pb37 (Tin-Lead)
Hot Solder Dipped
Weight
0.1 grams MAX

DASH NUMBER*	MIL DASH	INDUCTANCE (µH) ±10% @ 1kHz	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA DC)	INCREMENTAL CURRENT (mA DC)
M27/368 - SERIES MILP1812 T LEVEL FERRITE CORE					
-102KT	-01T	1.0	0.113	1050	2400
-122KT	-02T	1.2	0.199	1000	2158
-152KT	-03T	1.5	0.222	950	1980
-182KT	-04T	1.8	0.240	900	1828
-222KT	-05T	2.2	0.268	850	1697
-272KT	-06T	2.7	0.288	800	1513
-332KT	-07T	3.3	0.323	750	1397
-392KT	-08T	3.9	0.347	700	1250
-472KT	-09T	4.7	0.401	650	1131
-562KT	-10T	5.6	0.437	650	1060
-682KT	-11T	6.8	0.472	600	990
-822KT	-12T	8.2	0.548	600	871
-103KT	-13T	10	0.608	550	772
-123KT	-14T	12	0.670	550	752
-153KT	-15T	15	0.780	450	693
-183KT	-16T	18	0.875	400	614
-223KT	-17T	22	1.200	370	515
-273KT	-18T	27	1.404	330	465
-333KT	-19T	33	1.578	300	425
-393KT	-20T	39	1.848	280	376
-473KT	-21T	47	2.064	260	366
-563KT	-22T	56	2.268	240	336
-683KT	-23T	68	3.408	220	297
-823KT	-24T	82	3.648	200	267
-104KT	-25T	100	4.320	180	238
-124KT	-26T	120	6.000	160	208
-154KT	-27T	150	6.432	140	183
-184KT	-28T	180	8.400	120	158
-224KT	-29T	220	9.680	120	143
-274KT	-30T	270	12.720	100	129
-334KT	-31T	330	15.240	90	118

*Complete part # must include series # PLUS the dash #

Mechanical Configuration Inductors are encapsulated in a Surface Mount package, using an epoxy molded case. Leads are pretinned. A high resistivity ferrite core allows for high inductance with low DC resistance.

DMV 200 Vrms at Sea Level
80 Vrms at 70,000 feet altitude
IR 1000 Mohms MIN at 100 Vdc
Vibration MIL-STD-202, Method 204, Test Condition D
Moisture Resistance MIL-STD-202, Method 106
Bond Strength Force 2 lbs.

Marking
Military PIN (Part or Identifying Number)
Delevan Part Number Suffix
Delevan Cage Code Date/Lot Code (YYWWL)
Marking Example
M27/368-05T
222KT
99800 1345A

Packaging Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.

Made In the U.S.A.

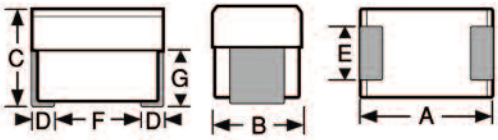
SERIES SP1812R SP1812

RoHS Compliant

Traditional First Quality

Shielded Surface Mount Power Inductors

Actual Size



Physical Parameters

	Inches	Millimeters
A	0.166 to 0.190	4.22 to 4.83
B	0.118 to 0.134	3.00 to 3.40
C	0.118 to 0.134	3.00 to 3.40
D	0.015 Min.	0.38 Min.
E	0.054 to 0.078	1.37 to 1.98
F	0.118 (Ref. only)	3.00 (Ref. only)
G	0.066 (Ref only)	1.68 (Ref. only)

Dimensions "A" and "C" are over terminals.

Operating Temperature Range –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.287 W

Inductance Measured at 1V with no DC current

Incremental Current The current at which the inductance will be decreased by a maximum of 10% from its initial DC value

Marking Delevan; dash number followed by SP; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: SP1812R-182K
DELEVAN
182 SP
R 1804A

Packaging Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.

Coupling 5% Typical (Ref. M83446, 1mm spacing)

Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±10% @1 kHz	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA DC)	INCREMENTAL CURRENT (mA DC)
SERIES SP1812 FERRITE CORE				
-102K	1.00	0.081	1580	2060
-122K	1.20	0.088	1510	1890
-152K	1.50	0.098	1430	1690
-182K	1.80	0.11	1360	1540
-222K	2.20	0.15	1170	1390
-272K	2.70	0.16	1110	1270
-332K	3.30	0.18	1060	1150
-392K	3.90	0.20	1000	1000
-472K	4.70	0.21	969	959
-562K	5.60	0.24	920	866
-682K	6.80	0.26	878	789
-822K	8.20	0.28	842	724
-103K	10.0	0.31	802	657
-123K	12.0	0.34	767	602
-153K	15.0	0.49	640	530
-183K	18.0	0.68	613	486
-223K	22.0	0.75	509	438
-273K	27.0	1.0	430	400
-333K	33.0	1.2	408	359
-393K	39.0	1.6	354	332
-473K	47.0	1.8	335	296
-563K	56.0	1.9	323	275
-683K	68.0	2.7	275	250
-823K	82.0	2.9	262	228
-104K	100	3.2	250	206
-124K	120	4.6	210	188
-154K	150	5.1	198	168
-184K	180	6.7	172	154
-224K	220	7.5	164	139
-274K	270	9.8	143	125
-334K	330	10.9	136	113

Optional Tolerances: J = 5% H = 3% G = 2%

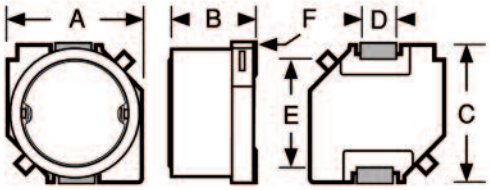
*Complete part # must include series # PLUS the dash #

SERIES 3483R S3483R

RoHS Compliant

Surface Mount Power Inductors

Actual Size



Physical Parameters

	Inches	Millimeters
A	0.276 to 0.299	7.0 to 7.6
B	0.114 to 0.138	2.9 to 3.5
C	0.276 to 0.299	7.0 to 7.6
D	0.067 to 0.091	1.7 to 2.3
E	0.201 to 0.224	5.1 to 5.7
F	0.033 Nom.	0.85 Nom.

F = Electrode Thickness

Current Rating

The DC where inductance value decreases 10% or where the temperature rise is 40°C max.

Operating Temperature Range –20°C to +80°C

Marking Printed with the last three numbers of the Delevan Part Number (i.e. 101)

Electrical Characteristics (Initial) @ 25°C

Marking Components are marked with three characters. In the instance of two digits and a letter R, the R indicates a decimal point and the remaining digits indicates the inductance in H. When three digits are present, the first two digits indicate the inductance in H and the third digit indicates the number of trailing zeros where a zero indicates that there are no trailing zeros.

Example: 3483R-1R5M (1.5 H)
1R5

Example: S3483R-101M (100 H)
101

Packaging Tape and Reel
(16mm): 13" reel, 1000 pieces max.; 7" reel not available.

DASH NUMBER*	INDUCTANCE (µH) ±20% @ 100 kHz	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (Amps)
SERIES 3483 - UNSHIELDED FERRITE CORE			
-1R0M	1.0	0.022	2.88
-1R5M	1.5	0.026	2.67
-2R2M	2.2	0.032	2.40
-3R3M	3.3	0.041	2.08
-4R7M	4.7	0.049	1.92
-6R8M	6.8	0.067	1.60
-100M	10.0	0.085	1.41
-120M	12.0	0.100	1.28
-150M	15.0	0.130	1.12
-180M	18.0	0.160	1.00
-220M	22.0	0.180	0.93
-270M	27.0	0.240	0.80
-330M	33.0	0.290	0.72
-390M	39.0	0.340	0.66
-470M	47.0	0.410	0.59
-560M	56.0	0.480	0.55
-680M	68.0	0.600	0.49
-820M	82.0	0.710	0.44
-101M	100.0	0.950	0.38
SERIES S3483 - SHIELDED FERRITE CORE & SLEEVE			
-1R0M	1.0	0.019	3.12
-1R5M	1.5	0.023	2.85
-2R2M	2.2	0.028	2.66
-3R3M	3.3	0.035	2.26
-4R7M	4.7	0.043	1.96
-6R8M	6.8	0.055	1.76
-100M	10.0	0.080	1.34
-120M	12.0	0.090	1.23
-150M	15.0	0.120	1.09
-180M	18.0	0.130	0.99
-220M	22.0	0.150	0.90
-270M	27.0	0.210	0.81
-330M	33.0	0.250	0.72
-390M	39.0	0.310	0.67
-470M	47.0	0.350	0.60
-560M	56.0	0.430	0.55
-680M	68.0	0.520	0.50
-820M	82.0	0.600	0.46
-101M	100.0	0.790	0.41

*Complete part # must include series # PLUS the dash #

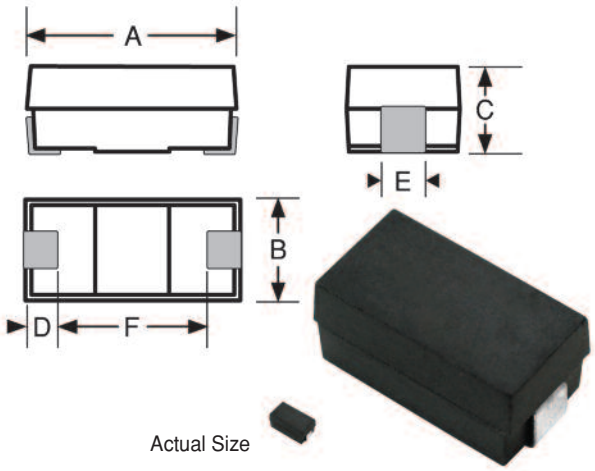
DELEVAN™
A REGAL REXNORD BRAND

SERIES P3519R P3519

RoHS Compliant

Traditional First Quality

Surface Mount Power Inductors



Actual Size

Physical Parameters

	Inches	Millimeters
A	0.350 to 0.370	8.89 to 9.40
B	0.180 to 0.200	4.57 to 5.08
C	0.165 to 0.185	4.19 to 4.70
D	0.050 Min.	1.27 Min.
E	0.050 to 0.070	1.27 to 1.78
F	0.200 (Ref. Only)	5.08 (Ref. Only)

Dimensions "A" and "C" are over terminals

Operating Temperature Range –55°C to +130°C

Current Rating at 85° Ambient 45°C Rise

Maximum Power Dissipation at 90°C 0.414 W

Inductance Measured at 1VAC with no DC Current

Incremental Current The current at which the inductance will be decreased by a maximum of 10% from its initial DC value

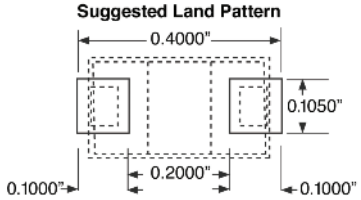
Marking Delevan; dash number followed by a P; and date code/lot symbol (YYWWL). Note: An R before the date code/lot symbol indicates an RoHS Compliant choke
Example: P3519-104J
DELEVAN
104 P
1823A

Terminal Material and Final Finish
Series P3519: (Tin-Lead) Sn63Pb37 over (Copper) Cu
Series P3519R: (Tin-Silver-Copper) Sn96.5Ag3.0Cu0.5 over (Copper) Cu

Weight/Mass 0.490 Grams Maximum

Packaging Tape & reel (24mm):
13" reel, 1500 pieces max.

Suggested Land Pattern



DASH NUMBER*	INDUCTANCE (µH) @ 10Khz	TOLERANCE	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (A)	INCREMENTAL CURRENT DC (A)
SERIES P3519 FERRITE CORE					
-101K	0.10	±10%	0.01	5.35	13.66
-121K	0.12	±10%	0.01	5.11	12.47
-151K	0.15	±10%	0.01	4.83	11.15
-181K	0.18	±10%	0.01	4.62	10.18
-221K	0.22	±10%	0.02	4.39	9.21
-271K	0.27	±10%	0.02	3.17	8.31
-331K	0.33	±10%	0.02	3.97	7.52
-391K	0.39	±10%	0.02	3.81	6.92
-471K	0.47	±10%	0.02	3.63	6.30
-561K	0.56	±10%	0.02	3.48	5.77
-681K	0.68	±10%	0.03	3.31	5.24
-821J	0.82	±5%	0.03	3.16	4.77
-102J	1.0	±5%	0.03	3.01	4.32
-122J	1.2	±5%	0.04	2.88	3.94
-152J	1.5	±5%	0.04	2.72	3.53
-182J	1.8	±5%	0.04	2.60	3.22
-222J	2.2	±5%	0.05	2.47	2.91
-272J	2.7	±5%	0.09	1.85	2.63
-332J	3.3	±5%	0.10	1.76	2.38
-392J	3.9	±5%	0.10	1.69	2.19
-472J	4.7	±5%	0.11	1.61	1.99
-562J	5.6	±5%	0.12	1.54	1.83
-682J	6.8	±5%	0.14	1.47	1.66
-822J	8.2	±5%	0.24	1.11	1.50
-103J	10	±5%	0.26	1.06	1.37
-123J	12	±5%	0.29	1.01	1.25
-153J	15	±5%	0.32	0.96	1.12
-183J	18	±5%	0.35	0.91	1.02
-223J	22	±5%	0.39	0.87	0.92
-273J	27	±5%	0.43	0.83	0.83
-333J	33	±5%	0.75	0.63	0.75
-393J	39	±5%	0.81	0.60	0.69
-473J	47	±5%	0.89	0.58	0.63
-563J	56	±5%	0.98	0.55	0.58
-683J	68	±5%	1.07	0.52	0.52
-823J	82	±5%	1.96	0.39	0.48
-104J	100	±5%	2.17	0.37	0.43
-124J	120	±5%	2.38	0.35	0.39
-154J	150	±5%	2.66	0.33	0.35
-184J	180	±5%	4.48	0.26	0.32
-224J	220	±5%	4.95	0.24	0.29
-274J	270	±5%	5.48	0.23	0.26
-334J	330	±5%	6.06	0.22	0.24
-394J	390	±5%	10.3	0.17	0.22
-474J	470	±5%	11.3	0.16	0.20
-564J	560	±5%	12.3	0.16	0.18
-684J	680	±5%	13.6	0.15	0.17
-824J	820	±5%	24.2	0.11	0.15
-105J	1000	±5%	26.7	0.11	0.14
-125J	1200	±5%	29.3	0.10	0.12
-155J	1500	±5%	32.8	0.10	0.11
-185J	1800	±5%	35.9	0.09	0.10
-225J	2200	±5%	39.7	0.09	0.09

Tolerances: J = ±5% K = ±10%

(±5% Tolerance is Standard for Values Above 0.68uH)

*Complete part # must include series # PLUS the dash #

Made In the U.S.A.

270 Quaker Rd., East Aurora NY 14052 • Phone 716-652-3600 • Fax 716-652-4814 • E-mail: Delevan.Sales@regalrexnord.com • www.delevan.com

DELEVAN™
A REGAL REXNORD BRAND

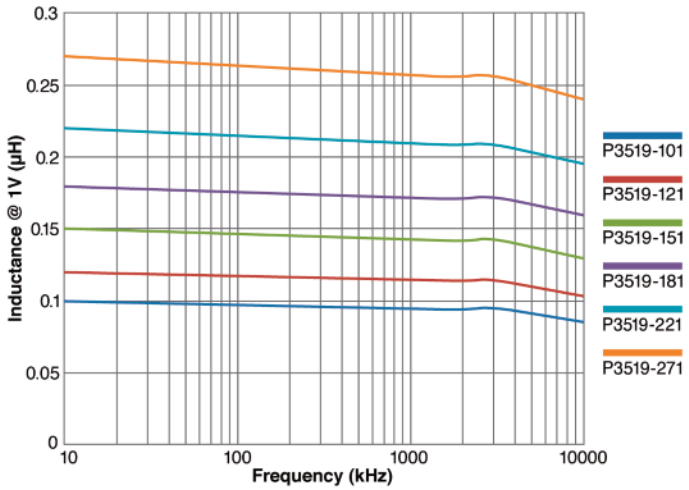
SERIES P3519R P3519

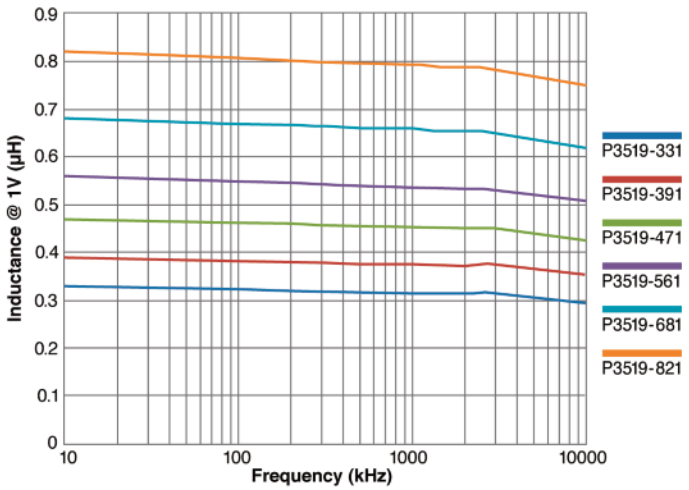
RoHS Compliant

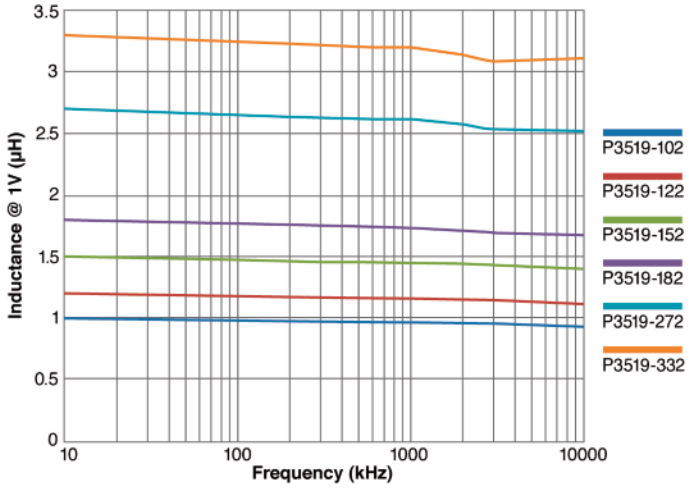
Traditional First Quality

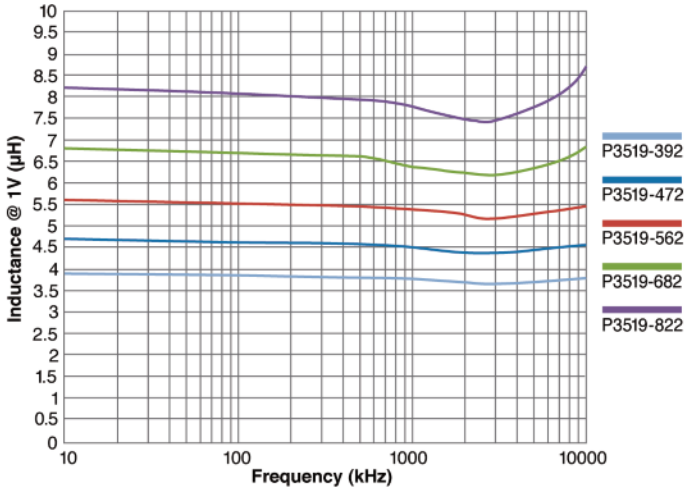
Surface Mount Power Inductors

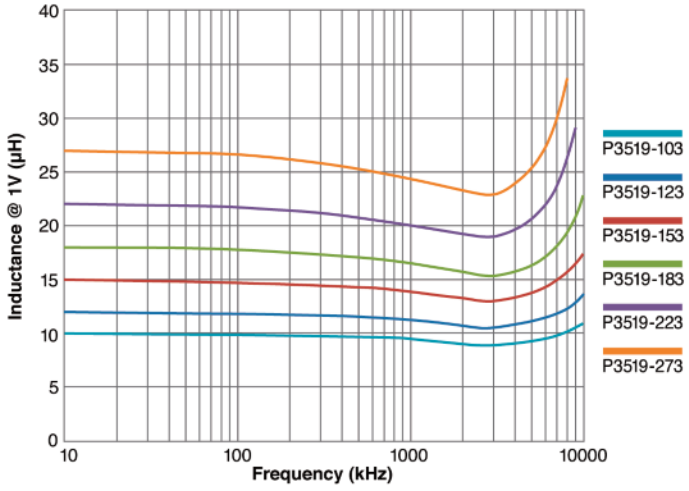
Inductance vs. Frequency

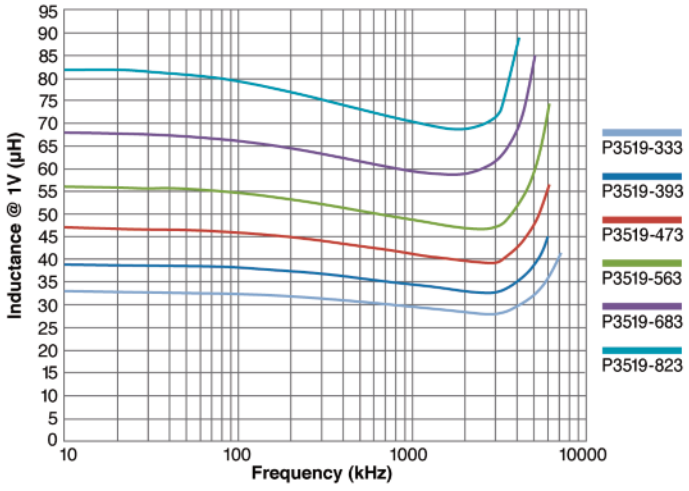












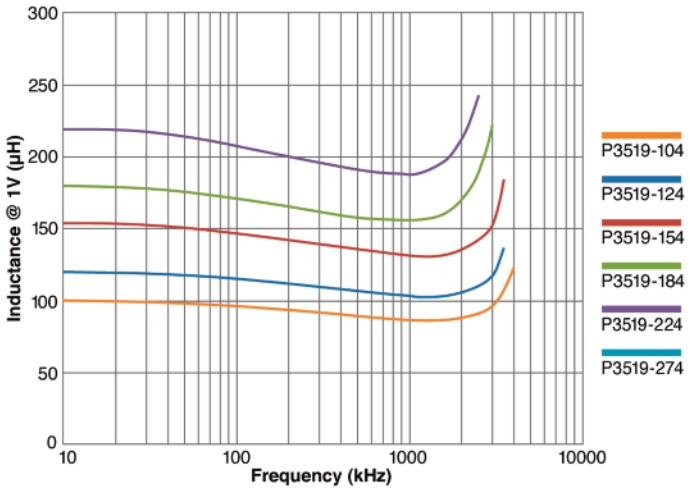
DELEVAN™
A REGAL REXNORD BRAND

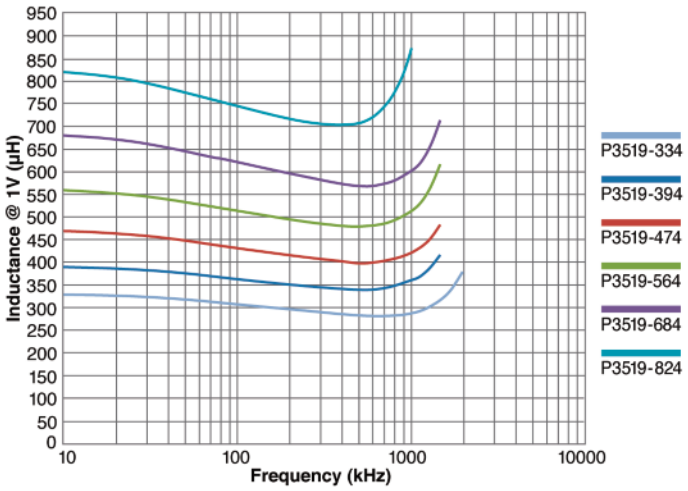
SERIES **P3519R**
P3519

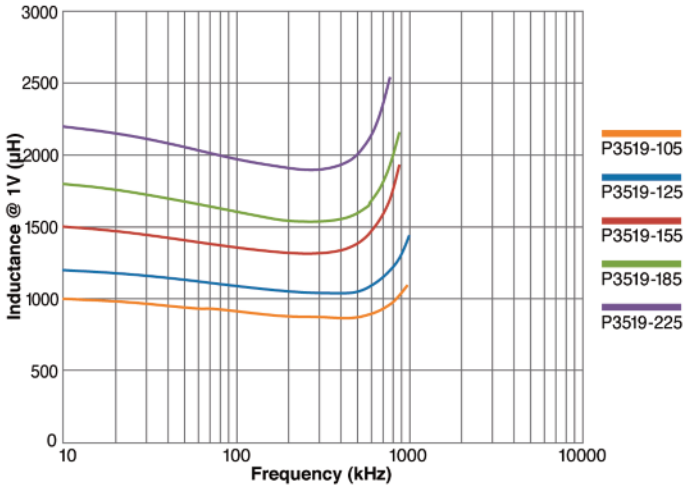
RoHS Compliant
Traditional First Quality

Surface Mount Power Inductors

Inductance vs. Frequency







The above waveforms have been composed from data taken from a Wayne Kerr 3260B Precision Magnetics Analyzer and Hewlett Packard 4191A RF Impedance Analyzer.

DELEVAN™
A REGAL REXNORD BRAND

SERIES SDS680R

RoHS Compliant

Surface Mount Shielded Power Choke

Actual Size

DASH NUMBER*	INDUCTANCE (µH) @ 100 kHz	TOLERANCE	SRF (MHz) REF. ONLY	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES SDS680 FERRITE CORE & SLEEVE					
-102M	1.0	±20%	250	0.040	3000
-152M	1.5	±20%	125	0.045	2800
-222M	2.2	±20%	120	0.050	1800
-332M	3.3	±20%	120	0.055	1600
-472M	4.7	±20%	105	0.060	1400
-682M	6.8	±20%	50	0.065	1200
-822M	8.2	±20%	42	0.070	1100
-103M	10	±20%	38	0.075	1000
-153M	15	±20%	33	0.090	800
-223M	22	±20%	25	0.110	700
-333M	33	±20%	20	0.190	600
-473M	47	±20%	20	0.230	500
-683M	68	±20%	15	0.290	400
-104M	100	±20%	10	0.480	300
-154M	150	±20%	9	0.590	260
-224M	220	±20%	6	0.770	220
-334M	330	±20%	5	1.40	200
-474M	470	±20%	4	1.80	190
-684M	680	±20%	3	2.20	180
-105M	1000	±20%	2	3.40	150
-155M	1500	±20%	2	4.20	120
-225M	2200	±20%	2	8.50	100
-335M	3300	±20%	1	11.0	80
-475M	4700	±20%	1	25.0	60
-685M	6800	±20%	1	25.0	40
-106M	10000	±20%	0.8	32.8	20

*Complete part # must include series # PLUS the dash #

Physical Parameters

	Inches	Millimeters
A	0.260 Max.	6.60 Max.
B	0.175 Max.	4.45 Max.
C	0.115 Max.	2.92 Max.
D	0.040 ±0.010	1.02 ±0.25
E	0.050 Max.	1.27 Max.
F	0.170 ±0.015	4.32 ±0.38
G	0.120 Ref.	3.05 Ref.
H	0.055 Ref.	1.40 Ref.
I	0.140 Ref.	3.56 Ref.
J	0.160 Ref.	4.06 Ref.

Current rating at 25°C Ambient
40°C Max. Rise

Operating Temperature Range
-40°C to +85°C

Weight Maximum
0.20 grams

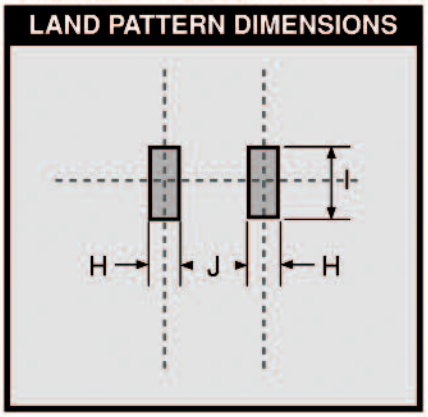
Marking For values lower than 10 µH the R indicates a decimal point and the remaining digits indicate the inductance in µH. For values 10 µH and above, the first two digits indicate the inductance in µH and the third digit indicates the number of trailing zeros where a zero indicates that there are no trailing zeros.

Example: SDS680R-102M (1.0 µH)
1R0

Example: SDS680R-106M (10,000 µH)
103

Packaging
Tape & Reel (16mm): 13" reel
2000 pieces max.

LAND PATTERN DIMENSIONS



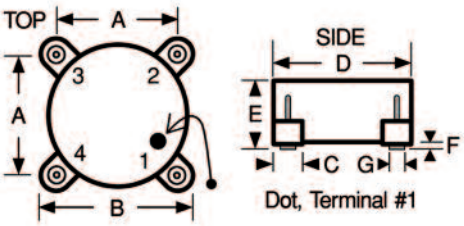
DELEVAN™
A REGAL REXNORD BRAND

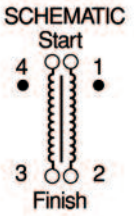
SERIES 4448R 4448

RoHS Compliant

Traditional First Quality

Surface Mount High Current Power Toroids





Actual Size

DASH NUMBER*	0 AMPS DC PARALLEL INDUCTANCE (µH)	TOLERANCE	RATED PARALLEL CURRENT MAXIMUM	PARALLEL DC RESIST. MAXIMUM (OHMS)	0 AMPS DC SERIES INDUCTANCE (µH)	TOLERANCE	RATED SERIES DC CURRENT MAXIMUM (AMPS)	SERIES DC RESISTANCE MAXIMUM (OHMS)
SERIES 4448 POWDERED IRON CORE								
-02M	0.47	± 20%	7.90	0.005	2.00	± 20%	3.95	0.020
-04M	0.68	± 20%	7.20	0.006	3.00	± 20%	3.60	0.024
-06M	1.00	± 20%	5.90	0.009	4.00	± 20%	2.95	0.036
-08M	2.00	± 20%	4.60	0.014	8.00	± 20%	2.30	0.056
-10M	5.00	± 20%	3.30	0.027	20.0	± 20%	1.65	0.108
-12M	8.00	± 20%	3.00	0.033	32.0	± 20%	1.50	0.132
-14L	10.0	± 15%	2.50	0.047	40.0	± 15%	1.25	0.188
-16L	15.0	± 15%	2.30	0.057	60.0	± 15%	1.15	0.228
-18L	20.0	± 15%	1.90	0.085	80.0	± 15%	0.95	0.340
-20L	25.0	± 15%	1.60	0.116	100	± 15%	0.80	0.464
-22L	33.0	± 15%	1.30	0.166	132	± 15%	0.65	0.664
-24L	50.0	± 15%	1.20	0.202	200	± 15%	0.60	0.808
-26L	68.0	± 15%	1.10	0.238	272	± 15%	0.55	0.952
-28L	100	± 15%	0.72	0.565	400	± 15%	0.36	2.260
-30L	150	± 15%	0.64	0.696	600	± 15%	0.32	2.784
-32L	200	± 15%	0.60	0.810	800	± 15%	0.30	3.240
-34L	300	± 15%	0.54	1.003	1200	± 15%	0.27	4.012
SERIES 4448 FERROUS ALLOY CORE								
-102M	0.47	± 20%	7.90	0.004	2.00	± 20%	3.95	0.016
-104M	0.68	± 20%	7.00	0.005	3.00	± 20%	3.50	0.020
-106M	1.00	± 20%	6.50	0.006	4.00	± 20%	3.25	0.024
-108M	2.00	± 20%	5.90	0.007	8.00	± 20%	2.95	0.028
-110M	5.00	± 20%	4.40	0.014	20.0	± 20%	2.20	0.056
-112M	8.00	± 20%	3.50	0.019	32.0	± 20%	1.75	0.076
-114L	10.0	± 15%	3.40	0.020	40.0	± 15%	1.70	0.080
-116L	15.0	± 15%	3.00	0.024	60.0	± 15%	1.50	0.096
-118L	20.0	± 15%	2.10	0.055	80.0	± 15%	1.05	0.220
-120L	25.0	± 15%	2.00	0.064	100	± 15%	1.00	0.254
-122L	33.0	± 15%	1.80	0.072	132	± 15%	0.90	0.288
-124L	50.0	± 15%	1.50	0.111	200	± 15%	0.75	0.444
-126L	68.0	± 15%	1.20	0.158	272	± 15%	0.60	0.632
-128L	100	± 15%	0.92	0.303	400	± 15%	0.46	1.212
-130L	150	± 15%	0.82	0.372	600	± 15%	0.41	1.488
-132L	200	± 15%	0.64	0.545	800	± 15%	0.32	2.180
-134L	300	± 15%	0.62	0.672	1200	± 15%	0.31	2.688

*Complete part # must include series # PLUS the dash #

Test Methods Solderability per MIL-STD-202, Method 208. Inductance tested at 10 kHz and zero Amp DC. Tested at 25°C

Mechanical Configuration A flat top surface mount case with excellent coplanarity of terminals.

Physical Parameters

	Inches	Millimeters
A	0.390 to 0.410	9.91 to 10.41
B	0.520 to 0.540	13.21 to 13.71
C	0.115 to 0.135	2.92 to 3.43
D	0.480 to 0.500	12.19 to 12.70
E	0.310 Max.	7.87 Max.
F	0.020 to 0.040	0.51 to 1.02
G	0.060 (Ref. only)	1.52 (Ref. only)

Electrical Configuration Two inductors per unit; internal terminals: #1(start) – #2(finish) & #4(start) – #3 (finish).
Series Externally connect #2 to #4.
Parallel Externally connect #1 to # 4 and # 2 to # 3.

Operating Temperature Range –55°C to +125°C

Rated DC Current Based upon 20°C temperature rise from 25°C ambient.

Maximum Power Dissipation at 25°C 0.313 Watts

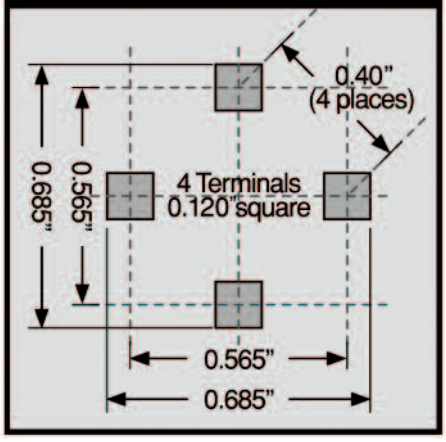
Inductance Tolerance Tolerance is specified by suffixing an alpha character to the part number as follows: K = 10%, L = 15%. M = 20%. Units are normally supplied to the tolerance indicated in the tables.

Marking Delevan; inductance and tolerance. A white dot indicates the location of pin 1.
Example: 4448-102M
DELEVAN
.47uH±20%
Weight (Grams) 2.5 (Ref.)

Inductance at Rated DC Current Minimum percent of measured zero Amp DC Inductance.
-02M to -34L = 60%; -102M to134L = 50%

Packaging Tape & reel (24mm):
13" reel, 350 pieces max.; 7" reel not available

LAND PATTERN DIMENSIONS



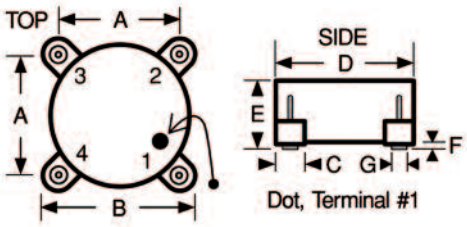
DELEVAN™
A REGAL REXNORD BRAND

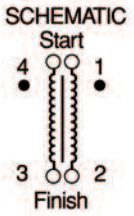
SERIES 4501R 4501

RoHS Compliant

Traditional First Quality

Surface Mount Low-Profile Power Toroids





Actual Size 

DASH NUMBER*	0 AMPS DC INDUCTANCE ±20% (µH @ 10 kHz)	DCR (OHMS) MAXIMUM	RATED DC CURRENT (Amps) MAXIMUM	INDUCTANCE (µH) MINIMUM @ Rated DC Current
SERIES 4501 FERROUS ALLOY CORE				
Parallel Connected Specifications				
-102M	0.47	0.005	6.50	0.30
-104M	0.68	0.006	5.50	0.40
-106M	1.00	0.008	5.00	0.60
-108M	2.00	0.010	4.50	1.20
-110M	5.00	0.020	3.00	3.00
-112M	8.00	0.025	2.70	4.80
-114M	10.0	0.030	2.50	6.00
-116M	15.0	0.060	1.70	9.50
-118M	20.0	0.080	1.50	12.0
-120M	25.0	0.090	1.40	15.0
-122M	33.0	0.105	1.40	20.0
-124M	50.0	0.200	0.95	30.0
-126M	68.0	0.300	0.80	40.0
-128M	100.0	0.400	0.65	60.0
-130M	150.0	0.550	0.60	90.0
-132M	200.0	0.750	0.45	120.0
-134M	300.0	1.100	0.40	180.0

*Complete part # must include series # PLUS the dash #

Test Methods Solderability per MIL-STD-202, Method 208. Inductance tested @ 10 kHz and zero Amps DC. Tested at 25°C.

Mechanical Configuration A flat top surface mount case with excellent coplanarity of terminals.

Physical Parameters

	Inches	Millimeters
A	0.285 ± 0.010	7.24 ± 0.25
B	0.360 ± 0.010	9.14 ± 0.25
C	0.060 ± 0.010	1.52 ± 0.25
D	0.350 ± 0.010	8.90 ± 0.25
E	0.200 ± 0.010	5.08 ± 0.25
F	0.025 ± 0.010	0.64 ± 0.25
G	0.040 (Ref.)	1.02 (Ref.)

Electrical Configuration Two inductors per unit; internal terminals: #1(start) – #2(finish) & #4(start) – #3 (finish).
Series Externally connect #2 to #4.
Parallel Externally connect #1 to # 4 and # 2 to # 3.

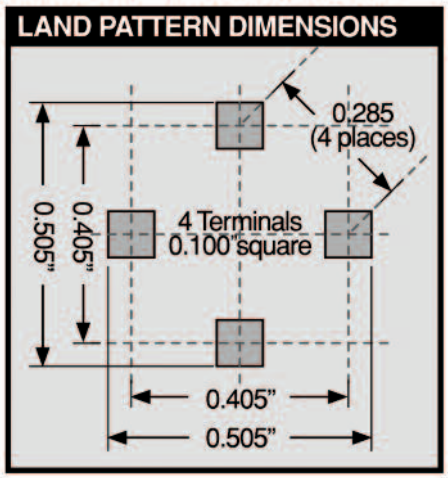
Operating Temperature Range –55°C to +125°C

Rated DC Current Based upon 20°C temperature rise from 25°C ambient.

Maximum Power Dissipation at 25°C 0.230 Watts

Inductance Tolerance Tolerance is specified by suffixing an alpha character to the part number as follows: K = 10%, L = 15%. M = 20%. Units are normally supplied to the tolerance indicated in the tables.

Marking Delevan; inductance and tolerance. A white dot indicates the location of pin 1. Note: RoHS component components will be marked with 4501R.
Example: 4501-102
DELEVAN
.47uH±20%



Series Connected Specifications

Inductance Four (4) times parallel inductance specifications.

DCR Four (4) times parallel DCR specifications.

Rated DC Current minimum One-half of parallel Rated DC Current specifications.

Packaging Tape & reel (24mm):
13" reel, 600 pieces max.; 7" reel not available

Weight (Grams) 1.0 (Ref.)

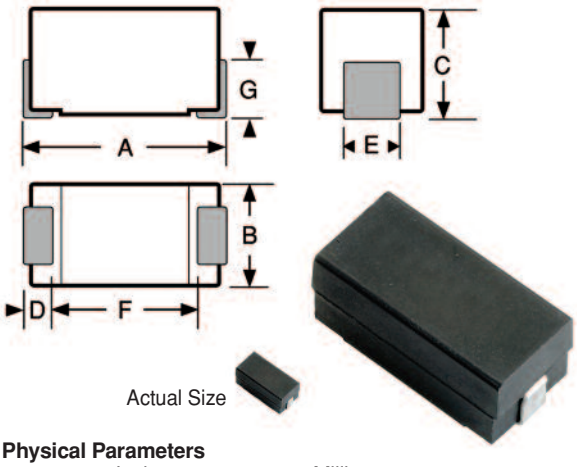
DELEVAN™ A REGAL REXNORD BRAND

SERIES 4922R 4922

RoHS Compliant

Traditional First Quality

Surface Mount High Current Power Inductors



Physical Parameters

	Inches	Millimeters
A	0.490 to 0.520	12.44 to 13.21
B	0.230 to 0.250	5.84 to 6.35
C	0.210 to 0.230	5.33 to 5.84
D	0.050 Min.	1.27 Min.
E	0.055 to 0.075	1.40 to 1.91
F	0.330 (Ref. only)	8.38 (Ref. only)
G	0.120 (Ref. only)	3.04 (Ref. only)

Operating Temperature Range –55°C to +125°C

Current Rating at 85°C Ambient 40°C Rise

Maximum Power Dissipation at 85°C 0.55 Watts

Inductance
Measured at 1 VAC open circuit with no DC current.

Incremental Current The current at which the inductance will be decreased by a maximum of 5% from its initial zero DC value.

Weight (Grams Max.) 1.5

Marking Delevan; dash number; date code (YYWWL).
Note: An R before the date code indicates a RoHS component.

Example: 4922-01L
DELEVAN
01
0918A

Packaging Tape & reel (24mm): 13" reel, 800 pieces max.; 7" reel not available

Made In the U.S.A.

Optional Tolerances: **Values < 10µH:** K = 10% J = 5%
Values ≥ 10µH: K = 10% J = 5% H = 3%

*Complete part # must include series # PLUS the dash #

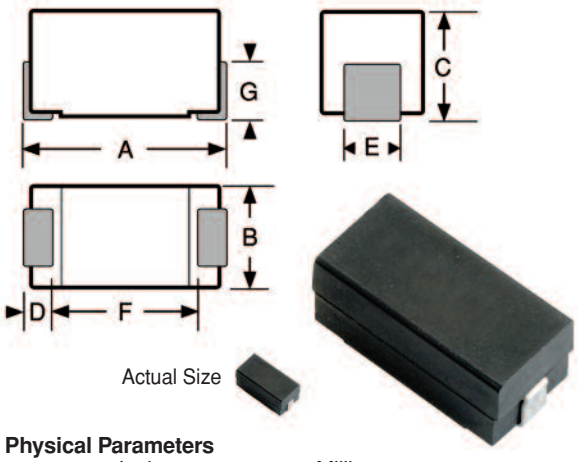
DASH NUMBER*	0 AMPS DC INDUCTANCE ±15% (µH @ 10 kHz)	DCR (OHMS) MAXIMUM	RATED DC CURRENT (Amps) MAXIMUM	INCREMENTAL CURRENT (Amps)
SERIES 4922 FERRITE CORE				
-221	0.22	0.0080	7.00	7.00
-271	0.27	0.0085	6.75	6.75
-331	0.33	0.0090	6.50	6.50
-391	0.39	0.0095	6.25	6.25
-471	0.47	0.0100	6.00	6.00
-561	0.56	0.0105	5.80	5.80
-681	0.68	0.0110	5.70	5.70
-821	0.82	0.0120	5.60	5.60
-01	1.00	0.013	5.50	5.50
-02	1.20	0.018	4.69	4.69
-03	1.50	0.020	4.45	4.45
-04	1.80	0.021	4.34	4.34
-05	2.20	0.029	3.70	3.70
-06	2.70	0.034	3.41	3.41
-07	3.30	0.038	3.23	3.23
-08	3.90	0.042	3.07	3.07
-09	4.70	0.047	2.90	2.90
-10	5.60	0.051	2.79	2.79
-11	6.80	0.058	2.61	2.61
-12	8.20	0.063	2.51	2.51
-13	10.0	0.071	2.36	2.36
-14	12.0	0.079	2.24	2.24
-15	15.0	0.089	2.11	2.11
-16	18.0	0.119	1.82	1.82
-17	22.0	0.152	1.61	1.61
-18	27.0	0.179	1.48	1.48
-19	33.0	0.222	1.33	1.33
-20	39.0	0.315	1.12	1.12
-21	47.0	0.362	1.04	1.04
-22	56.0	0.397	1.00	1.00
-23	68.0	0.418	0.97	0.97
-24	82.0	0.604	0.81	0.81
-25	100	0.672	0.76	0.76
-26	120	0.735	0.73	0.73
-27	150	0.998	0.63	0.63
-28	180	1.370	0.53	0.53
-29	220	1.580	0.50	0.50
-30	270	1.770	0.47	0.47
-31	330	2.510	0.39	0.39
-32	390	2.730	0.38	0.38
-33	470	3.250	0.35	0.35
-34	560	3.750	0.33	0.33
-35	680	4.310	0.30	0.30
-36	820	6.040	0.26	0.26
-37	1000	6.900	0.24	0.24
-38	1200	10.00	0.200	0.200
-39	1500	12.50	0.178	0.178
-40	1800	16.00	0.157	0.157
-41	2200	20.00	0.141	0.141
-42	2700	23.00	0.131	0.131
-43	3300	25.00	0.126	0.126
-44	3900	33.00	0.110	0.110
-45	4700	37.00	0.103	0.103
-46	5600	40.00	0.100	0.100
-47	6800	62.00	0.080	0.080
-48	8200	66.00	0.077	0.077
-49	10000	74.00	0.071	0.071
-50	12000	93.00	0.065	0.065
-51	15000	105.0	0.061	0.061
-52	18000	143.0	0.052	0.052
-53	22000	160.0	0.050	0.050

DELEVAN™ A REGAL REXNORD BRAND

SERIES MIL4922

MILITARY QPL APPROVED

MIL-PRF-27/367, T Level Qualified Surface Mount Power Inductors



Physical Parameters

	Inches	Millimeters
A	0.490 to 0.520	12.44 to 13.21
B	0.230 to 0.250	5.84 to 6.35
C	0.210 to 0.230	5.33 to 5.84
D	0.050 Min.	1.27 Min.
E	0.055 to .075	1.40 to 1.91
F	0.330 (Ref. only)	8.38 (Ref. only)
G	0.120 (Ref. only)	3.04 (Ref. only)

Dimensions "A" and "C" are over terminals

Operating Temperature Range –55°C to +130°C

Current Rating at 85°C Ambient 45°C Rise

Maximum Power Dissipation at 85°C 0.55 W

Inductance
Measured at 1 VAC open circuit with no DC current

Incremental Current The current at which the inductance will decrease by a maximum of 5% from its initial DC value

Lead Finish
Sn63 Pb37 (Tin-Lead), Hot Solder Dipped

Weight 1.5 grams MAX

DMV 1000 Vrms at Sea Level
500 Vrms at 70,000 feet altitude

IR 1000 Mohms MIN at 500 Vdc

Vibration MIL-STD-202, Method 204, Test Condition D

Moisture Resistance MIL-STD-202, Method 106

Bond Strength Force 2 lbs.**Packaging** Tape & reel (24mm): 13" reel, 800 pieces max.; 7" reel not available

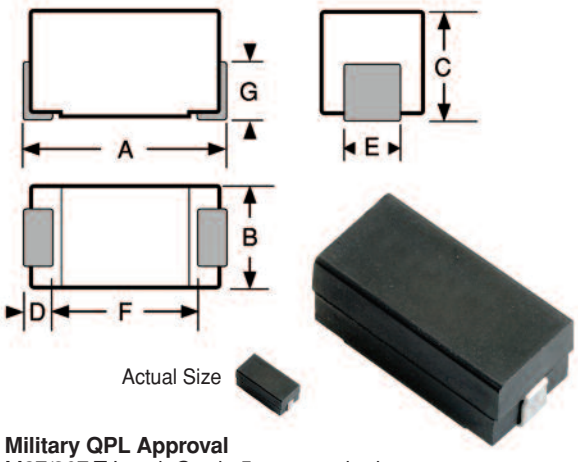
Made In the U.S.A.

DASH NUMBER*	MIL DASH	INDUCTANCE @ 1 kHz (µH) ±15%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (Amps)	INCREMENTAL CURRENT (Amps)
M27/367 - SERIES MIL4922 T LEVEL FERRITE CORE					
-221LT	-01T	0.22	0.0080	7.00	7.00
-271LT	-02T	0.27	0.0085	6.75	6.75
-331LT	-03T	0.33	0.0090	6.50	6.50
-391LT	-04T	0.39	0.0095	6.25	6.25
-471LT	-05T	0.47	0.0100	6.00	6.00
-561LT	-06T	0.56	0.0105	5.80	5.80
-681LT	-07T	0.68	0.0110	5.70	5.70
-821LT	-08T	0.82	0.0120	5.60	5.60
-01LT	-09T	1.00	0.013	5.50	5.50
-02LT	-10T	1.20	0.018	4.69	4.69
-03LT	-11T	1.50	0.020	4.45	4.45
-04LT	-12T	1.80	0.021	4.34	4.34
-05LT	-13T	2.20	0.029	3.70	3.70
-06LT	-14T	2.70	0.034	3.41	3.41
-07LT	-15T	3.30	0.038	3.23	3.23
-08LT	-16T	3.90	0.042	3.07	3.07
-09LT	-17T	4.70	0.047	2.90	2.90
-10LT	-18T	5.60	0.051	2.79	2.79
-11LT	-19T	6.80	0.058	2.61	2.61
-12LT	-20T	8.20	0.063	2.51	2.51
-13LT	-21T	10.0	0.071	2.36	2.36
-14LT	-22T	12.0	0.079	2.24	2.24
-15LT	-23T	15.0	0.089	2.11	2.11
-16LT	-24T	18.0	0.119	1.82	1.82
-17LT	-25T	22.0	0.152	1.61	1.61
-18LT	-26T	27.0	0.179	1.48	1.48
-19LT	-27T	33.0	0.222	1.33	1.33
-20LT	-28T	39.0	0.315	1.12	1.12
-21LT	-29T	47.0	0.362	1.04	1.04
-22LT	-30T	56.0	0.397	1.00	1.00
-23LT	-31T	68.0	0.418	0.97	0.97
-24LT	-32T	82.0	0.604	0.81	0.81
-25LT	-33T	100	0.672	0.76	0.76
-26LT	-34T	120	0.735	0.73	0.73
-27LT	-35T	150	0.998	0.63	0.63
-28LT	-36T	180	1.370	0.53	0.53
-29LT	-37T	220	1.580	0.50	0.50
-30LT	-38T	270	1.770	0.47	0.47
-31LT	-39T	330	2.510	0.39	0.39
-32LT	-40T	390	2.730	0.38	0.38
-33LT	-41T	470	3.250	0.35	0.35
-34LT	-42T	560	3.750	0.33	0.33
-35LT	-43T	680	4.310	0.30	0.30
-36LT	-44T	820	6.040	0.26	0.26
-37LT	-45T	1000	6.900	0.24	0.24
-38LT	-46T	1200	10.00	0.200	0.200
-39LT	-47T	1500	12.50	0.178	0.178
-40LT	-48T	1800	16.00	0.157	0.157
-41LT	-49T	2200	20.00	0.141	0.141
-42LT	-50T	2700	23.00	0.131	0.131
-43LT	-51T	3300	25.00	0.126	0.126
-44LT	-52T	3900	33.00	0.110	0.110
-45LT	-53T	4700	37.00	0.103	0.103
-46LT	-54T	5600	40.00	0.100	0.100
-47LT	-55T	6800	62.00	0.080	0.080
-48LT	-56T	8200	66.00	0.077	0.077
-49LT	-57T	10000	74.00	0.071	0.071
-50LT	-58T	12000	93.00	0.065	0.065
-51LT	-59T	15000	105.0	0.061	0.061
-52LT	-60T	18000	143.0	0.052	0.052
-53LT	-61T	22000	160.0	0.050	0.050

*Complete part # must include series # PLUS the dash #

SERIES MIL4922

MIL-PRF-27/367, T Level Qualified Surface Mount Power Inductors



How To Order:

MIL4922 -12 L T

(A) (B) (C)(D)

(A) Inductor Series (MIL4922)
(B) Dash Number (-01 through -53, -221, -271, -331, -391, -471, -561, -681, -821)
(C) Inductance Tolerance (L = 15%)
(D) Product Level (T = T Level per MIL-PRF-27 (Blank = M Level per MIL-PRF-27)

Military QPL Approval
M27/367 T Level, Grade 5, encapsulted

Level T Magnetics are 100% Tested per MIL-PRF-27 Group A Subgroup I which includes:
1) Thermal Shock, 25 cycles
2) Burn In, 96 hours
3) Radiographic (X-Ray) Inspection

Marking
Military PIN (Part or Identifying Number)
Delevan Part Number
Delevan Cage Code Date/Lot Code (YYWWL)

Marking Example
M27/367-38T
MIL4922-30LT
99800 1328A

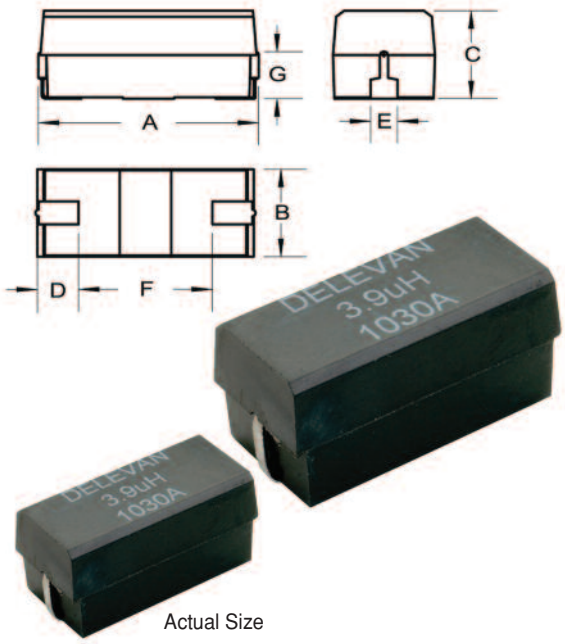
Mechanical Configuration
Units are encapsulated in a Surface Mount package, using an epoxy molded case. Leads are pretinned. A high resistivity ferrite core, allows for high inductance with low DC resistance.

SERIES 5500R 5500

RoHS Compliant

Traditional First Quality

High Current Power Chokes



Actual Size

Physical Parameters

	Inches	Millimeters
A	1.020 to 1.080	25.91 to 27.44
B	0.480 to 0.510	12.20 to 12.96
C	0.520 Maximum	13.21 Maximum
D	0.240 Minimum	6.10 Minimum
E	0.120 to 0.160	3.05 to 4.07
F	0.500 (Ref. Only)	12.70 (Ref. Only)
G	0.250 (Ref. Only)	6.35 (Ref. Only)

Dimensions "A" and "C" and "G" are over the terminals.

Operating Temperature Range -55°C to +130°C

Current Rating at 85°C Ambient 45°C Temperature Rise

Maximum Power Dissipation at +85°C: 1.166 Watts Maximum

Inductance Measured @ 1 kHz with 0 ADC on Wayne Kerr 3245A, or equivalent.

Incremental Current The amount of DC that decreases the Inductance by 5% maximum relative to the 0 ADC.

Dielectric Withstanding Voltage Meets MIL-STD-202, Method 301, 1000 Vrms Minimum

Marking DELEVAN, INDUCTANCE VALUE and DATE CODE/LOT SYMBOL (YYWWL). Note: An "R" before the date code/lot symbol indicates a RoHS Compliant choke.

DELEVAN
3.9uH
R YYWWL

Thermal Shock Meets MIL-STD-202, Method 107, Test Condition A-1 (-55°C to +130°C).

Mechanical Shock Meets MIL-STD-202, Method 213, Test Condition I.

Vibration Meets MIL-STD-202, Method 204, Test Condition D

Solderability Meets MIL-STD-202, Method 208

Terminal Material and Final Finish
Series 5500R: (Tin - Silver - Copper) Sn96.5Ag3.0Cu0.5 over Copper (Cu)
Series 5500: (Tin - Lead) Sn63Pb37 over Copper (Cu)

Weight 13 Grams Maximum

Packaging Tape and Reel (44mm): 13" reel, 200 pieces max: 7" reel not available

Made In The U.S.A.

DASH NUMBER*	INDUCTANCE ±10% (µH @ 1.00 kHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (A DC)	INCREMENTAL CURRENT (A DC)
SERIES 5500R AND 5500				
-392K	3.9	0.007	11.91	9.13
-472K	4.7	0.008	11.14	8.30
-562K	5.6	0.011	9.50	7.61
-682K	6.8	0.012	9.10	7.02
-822K	8.2	0.013	8.74	6.52
-103K	10	0.016	7.88	5.71
-123K	12	0.018	7.43	5.07
-153K	15	0.020	7.05	4.57
-183K	18	0.022	6.72	4.15
-223K	22	0.024	6.43	3.65
-273K	27	0.025	6.30	3.38
-333K	33	0.028	5.96	3.04
-393K	39	0.031	5.66	2.85
-473K	47	0.034	5.41	2.61
-563K	56	0.043	4.81	2.34
-683K	68	0.060	4.08	2.12
-823K	82	0.066	3.88	1.94
-104K	100	0.084	3.44	1.76
-124K	120	0.113	2.96	1.60
-154K	150	0.129	2.78	1.43
-184K	180	0.150	2.57	1.30
-224K	220	0.162	2.48	1.19
-274K	270	0.226	2.10	1.07
-334K	330	0.257	1.97	0.96
-394K	390	0.288	1.86	0.88
-474K	470	0.393	1.59	0.81
-564K	560	0.504	1.40	0.74
-684K	680	0.570	1.32	0.68
-824K	820	0.643	1.24	0.63
-105K	1,000	0.844	1.08	0.56
-125K	1,200	0.977	1.01	0.51
-155K	1,500	1.18	0.92	0.45
-185K	1,800	1.50	0.81	0.41
-225K	2,200	1.76	0.75	0.37
-275K	2,700	2.13	0.68	0.32
-335K	3,300	2.53	0.63	0.30
-395K	3,900	2.84	0.59	0.28
-475K	4,700	3.79	0.51	0.25
-565K	5,600	4.24	0.48	0.23
-685K	6,800	5.75	0.42	0.21
-825K	8,200	6.44	0.39	0.19
-106K	10,000	7.30	0.37	0.17
-126K	12,000	9.34	0.33	0.16
-156K	15,000	10.7	0.30	0.14
-186K	18,000	14.8	0.26	0.13
-226K	22,000	18.0	0.23	0.12
-276K	27,000	22.7	0.21	0.10
-336K	33,000	25.7	0.20	0.09
-396K	39,000	29.7	0.18	0.09
-476K	47,000	33.7	0.17	0.08
-566K	56,000	38.0	0.16	0.07
-686K	68,000	52.8	0.14	0.07
-826K	82,000	67.3	0.12	0.06
-107K	100,000	76.0	0.11	0.05

OPTIONAL TOLERANCES: J = +/- 5% L = +/- 15%

The Suffix (Optional Tolerance "J" or "L") should replace the "K", in the dash number.

*Complete part # must include series # PLUS the dash #

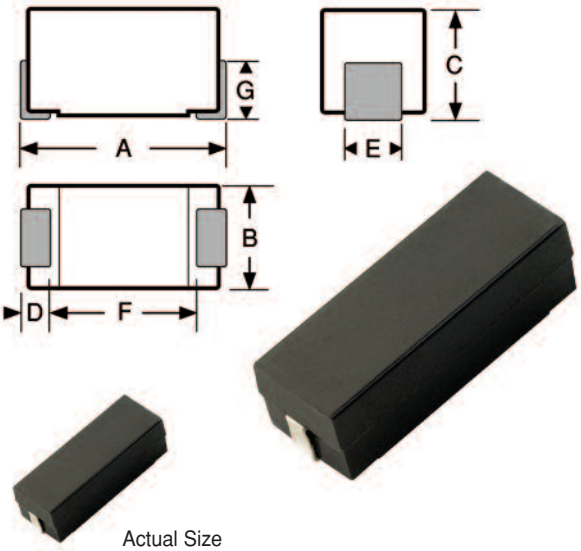
DELEVAN™
A REGAL REXNORD BRAND

SERIES 8532R 8532

RoHS Compliant

Traditional First Quality

High Current Surface Mount Power Inductors



Actual Size

Mechanical Configuration
Units are encapsulated in a Surface Mount package, using an epoxy molded case. High resistivity ferrite core, allows for high inductance with low DC resistance.

Physical Parameters

	Inches	Millimeters
A	0.840 to 0.880	21.34 to 22.35
B	0.310 to 0.330	7.87 to 8.38
C	0.266 to 0.286	6.76 to 7.26
D	0.050 Min.	1.27 Min.
E	0.070 to 0.110	1.78 to 2.79
F	0.750 (Ref. only)	19.05 (Ref. only)
G	0.120 (Ref. only)	3.05 (Ref. only)

Dimensions “A” and “C” are over terminals.

Operating Temperature Range –55°C to +125°C

Current Rating 40°C Rise over 85°C Ambient

Maximum Power Dissipation at 85°C 0.50 Watts

Inductance
Measured at 1 VAC open circuit with no DC current.
Incremental Current The current at which the inductance will decrease by a maximum of 5% from its initial zero DC value.

Weight Max. (Grams) 2.5

Marking Delevan; dash number; date code (YYWWL).
Note: An R before the date code indicates a RoHS component.

Example: 8532R-52L
DELEVAN
52
R 0901B

Packaging Tape & reel (44mm):
13" reel, 480 pieces max.; 7" reel not available

Made In the U.S.A.

DASH NUMBER*	INDUCTANCE (µH) ±15% @ 1 kHz	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (Amps)	INCREMENTAL CURRENT (Amps)
SERIES 8532 FERRITE CORE				
-01L	1.0	0.009	6.27	6.4
-02L	1.2	0.010	5.95	5.8
-03L	1.5	0.011	5.67	5.2
-04L	1.8	0.012	5.43	4.8
-05L	2.2	0.013	5.22	4.3
-06L	2.7	0.014	5.03	3.9
-07L	3.3	0.016	4.70	3.5
-08L	3.9	0.017	4.56	3.2
-09L	4.7	0.022	4.01	2.9
-10L	5.6	0.024	3.84	2.7
-11L	6.8	0.026	3.69	2.5
-12L	8.2	0.028	3.55	2.2
-13L	10.0	0.033	3.27	2.0
-14L	12.0	0.037	3.09	1.8
-15L	15.0	0.040	2.97	1.6
-16L	18.0	0.044	2.84	1.5
-17L	22.0	0.050	2.66	1.4
-18L	27.0	0.070	2.25	1.2
-19L	33.0	0.075	2.17	1.1
-20L	39.0	0.084	2.05	1.0
-21L	47.0	0.104	1.84	0.93
-22L	56.0	0.130	1.65	0.85
-23L	68.0	0.145	1.56	0.77
-24L	82.0	0.152	1.53	0.71
-25L	100.0	0.208	1.30	0.64
-26L	120.0	0.283	1.12	0.58
-27L	150.0	0.330	1.04	0.52
-28L	180.0	0.362	0.99	0.48
-29L	220.0	0.505	0.84	0.43
-30L	270.0	0.557	0.80	0.39
-31L	330.0	0.650	0.74	0.35
-32L	390.0	0.770	0.68	0.32
-33L	470.0	1.03	0.59	0.29
-34L	560.0	1.14	0.56	0.27
-35L	680.0	1.50	0.49	0.25
-36L	820.0	1.98	0.42	0.22
-37L	1000.0	2.30	0.39	0.20
-38L	1200.0	2.55	0.37	0.18
-39L	1500.0	3.00	0.34	0.16
-40L	1800.0	4.00	0.30	0.15
-41L	2200.0	4.40	0.28	0.14
-42L	2700.0	5.80	0.25	0.12
-43L	3300.0	6.56	0.23	0.11
-44L	3900.0	8.63	0.20	0.10
-45L	4700.0	10.1	0.19	0.09
-46L	5600.0	11.2	0.18	0.09
-47L	6800.0	15.0	0.15	0.08
-48L	8200.0	20.8	0.13	0.07
-49L	10000.0	23.4	0.12	0.06
-50L	12000.0	26.0	0.12	0.06
-51L	15000.0	36.0	0.10	0.05
-52L	18000.0	40.0	0.09	0.05

Optional Tolerances: **Values < 10µH:** K = 10% J = 5%
Values ≥ 10µH: K = 10% J = 5% H = 3%

*Complete part # must include series # PLUS the dash #

DELEVAN™
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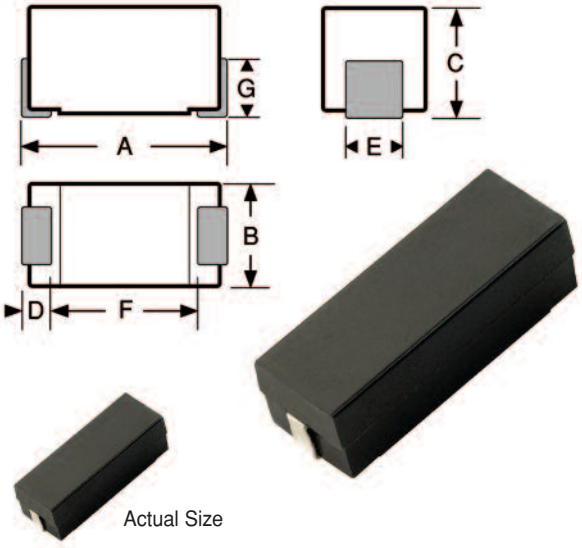
SERIES MIL8532

MIL-PRF-27/370, T Level Qualified Surface Mount Power Inductors



Actual Size

Physical Parameters

	Inches	Millimeters
A	0.840 to 0.880	21.34 to 22.35
B	0.310 to 0.330	7.87 to 8.38
C	0.266 to 0.286	6.76 to 7.26
D	0.050 Min.	1.27 Min.
E	0.070 to 0.110	1.78 to 2.79
F	0.750 (Ref. only)	19.05 (Ref. only)
G	0.120 (Ref. only)	3.05 (Ref. only)

Dimensions “A” and “C” are over terminals.

Military QPL Approval
M27/370 T Level, Grade 5, encapsulted
Level T Magnetics are 100% Tested per MIL-PRF-27 Group A Subgroup I which includes:
1) Thermal Shock, 25 cycles
2) Burn In, 96 hours
3) Radiographic (X-Ray) Inspection

Operating Temperature Range –55°C to +130°C
Current Rating at 85°C Ambient 45°C Rise
Maximum Power Dissipation at 85°C 0.50 W

Inductance Measured at 1 VAC open circuit with no DC current
Incremental Current The current at which the inductance will decrease by a maximum of 5% from its inductance at zero DC current.

Lead Finish
Sn63 Pb37 (Tin-Lead), Hot Solder Dipped
Weight 2.5 grams MAX

DMV 1000 Vrms at Sea Level, 500 Vrms at 70,000 feet altitude
IR 1000 Mohms MIN at 500 Vdc
Vibration MIL-STD-202, Method 204, Test Condition D
Moisture Resistance MIL-STD-202, Method 106
Bond Strength Force 2 lbs.

Packaging Tape & reel (44mm): 13" reel, 480 pieces max.; 7” reel not available

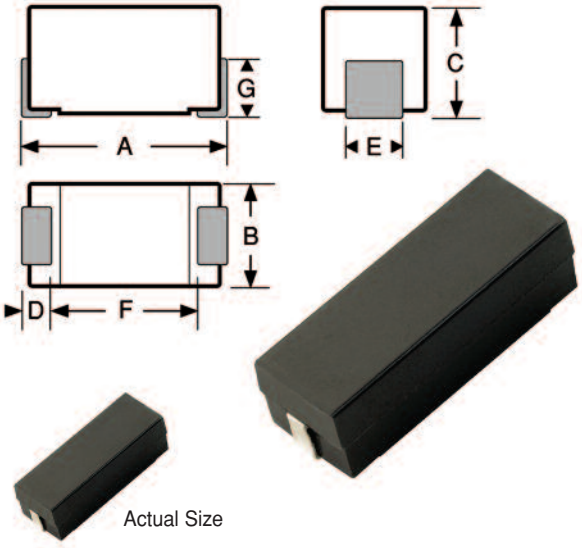
Made In the U.S.A.

DASH NUMBER*	MIL DASH #	INDUCTANCE @ 1 kHz (µH) ±15%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (Amps)	INCREMENTAL CURRENT DC (Amps)
M27/370 - SERIES MIL8532 T LEVEL FERRITE CORE					
-01LT	-01T	1.0	0.009	6.27	6.4
-02LT	-02T	1.2	0.010	5.95	5.8
-03LT	-03T	1.5	0.011	5.67	5.2
-04LT	-04T	1.8	0.012	5.43	4.8
-05LT	-05T	2.2	0.013	5.22	4.3
-06LT	-06T	2.7	0.014	5.03	3.9
-07LT	-07T	3.3	0.016	4.70	3.5
-08LT	-08T	3.9	0.017	4.56	3.2
-09LT	-09T	4.7	0.022	4.01	2.9
-10LT	-10T	5.6	0.024	3.84	2.7
-11LT	-11T	6.8	0.026	3.69	2.5
-12LT	-12T	8.2	0.028	3.55	2.2
-13LT	-13T	10.0	0.033	3.27	2.0
-14LT	-14T	12.0	0.037	3.09	1.8
-15LT	-15T	15.0	0.040	2.97	1.6
-16LT	-16T	18.0	0.044	2.84	1.5
-17LT	-17T	22.0	0.050	2.66	1.4
-18LT	-18T	27.0	0.070	2.25	1.2
-19LT	-19T	33.0	0.075	2.17	1.1
-20LT	-20T	39.0	0.084	2.05	1.0
-21LT	-21T	47.0	0.104	1.84	0.93
-22LT	-22T	56.0	0.130	1.65	0.85
-23LT	-23T	68.0	0.145	1.56	0.77
-24LT	-24T	82.0	0.152	1.53	0.71
-25LT	-25T	100.0	0.208	1.30	0.64
-26LT	-26T	120.0	0.283	1.12	0.58
-27LT	-27T	150.0	0.330	1.04	0.52
-28LT	-28T	180.0	0.362	0.99	0.48
-29LT	-29T	220.0	0.505	0.84	0.43
-30LT	-30T	270.0	0.557	0.80	0.39
-31LT	-31T	330.0	0.650	0.74	0.35
-32LT	-32T	390.0	0.770	0.68	0.32
-33LT	-33T	470.0	1.03	0.59	0.29
-34LT	-34T	560.0	1.14	0.56	0.27
-35LT	-35T	680.0	1.50	0.49	0.25
-36LT	-36T	820.0	1.98	0.42	0.22
-37LT	-37T	1000.0	2.30	0.39	0.20
-38LT	-38T	1200.0	2.55	0.37	0.18
-39LT	-39T	1500.0	3.00	0.34	0.16
-40LT	-40T	1800.0	4.00	0.30	0.15
-41LT	-41T	2200.0	4.40	0.28	0.14
-42LT	-42T	2700.0	5.80	0.25	0.12
-43LT	-43T	3300.0	6.56	0.23	0.11
-44LT	-44T	3900.0	8.63	0.20	0.10
-45LT	-45T	4700.0	10.1	0.19	0.09
-46LT	-46T	5600.0	11.2	0.18	0.09
-47LT	-47T	6800.0	15.0	0.15	0.08
-48LT	-48T	8200.0	20.8	0.13	0.07
-49LT	-49T	10000.0	23.4	0.12	0.06
-50LT	-50T	12000.0	26.0	0.12	0.06
-51LT	-51T	15000.0	36.0	0.10	0.05
-52LT	-52T	18000.0	40.0	0.09	0.05

*Complete part # must include series # PLUS the dash #

SERIES MIL8532

MIL-PRF-27/370, T Level Qualified Surface Mount Power Inductors



Actual Size

How To Order:

MIL8532	-33	L	T
(A)	(B)	(C)	(D)

(A) Inductor Series (MIL8532)
(B) Dash Number (-01 through -52)
(C) Inductance Tolerance (L = 15%)
(D) Product Level (T = T Level per MIL-PRF-27
(Blank = M Level per MIL-PRF-27)

Military QPL Approval
M27/370 T Level, Grade 5, encapsulted

Level T Magnetics are 100% Tested per MIL-PRF-27 Group A Subgroup I which includes:
1) Thermal Shock, 25 cycles
2) Burn In, 96 hours
3) Radiographic (X-Ray) Inspection

Marking
Delevan
Military Part Number
Date/Lot Code (YYWWL)

Marking Example
MIL8532-01L
DELEVAN
M27/370-01
06 10A

Mechanical Configuration
Units are encapsulated in a Surface Mount package, using an epoxy molded case. Leads are pretinned. A high resistivity ferrite core, allows for high inductance with low DC resistance.

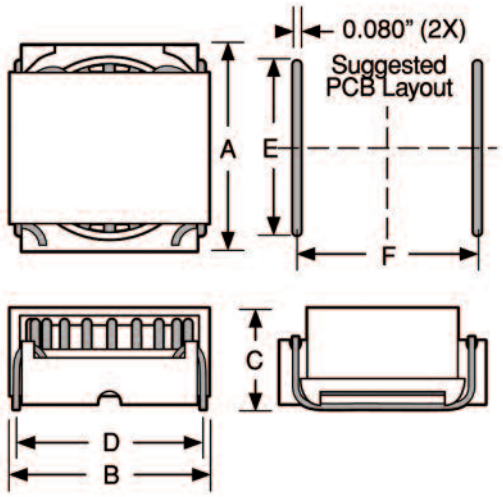
SERIES HCTR HCT

RoHS Compliant

Traditional First Quality

High Current Toroidal Inductors

Actual Size
(HCT-44X)



Physical Parameters:

Package	A Max.	B Max.	C Max.	D	E	F
HCT-44X	0.665	0.665	0.400	0.560	0.490	0.560
HCT-50X	0.740	0.740	0.400	0.630	0.560	0.630
HCT-68X	0.945	0.940	0.400	0.820	0.700	0.820

Above dimensions in inches and unless otherwise stated all tolerances are ± 0.010

Mechanical Configuration
Units are surface mount, low profile, self-leaded devices

Frequency Range 1kHz up to 1 MHz

Operating Temperature Range –30°C to +130°C

Leads Solder tinned

Materials Meet UL94V-0

Optional Tolerances As low as 10% available on some values. **Consult factory for details.**

Maximum Power Dissipation at 25°C Ambient
HCT-44x, 1.0 W
HCT-50x, 1.1 W
HCT-68x, 1.2 W

Marking API; part number.

Example: HCT-504

API
HCT-504

Packaging Bulk; contact factory for tape & reel options.

	ELECTRICAL SPECIFICATIONS @ 25°C							DC AMPS TO PRODUCE A MAXIMUM TEMPERATURE RISE FROM 25°C AMBIENT					
DASH NUMBER*	INDUCTANCE (µH) ± 25%	Q TYPICAL	L & Q TEST FREQUENCY (kHz)	SRF (MHz, TYPICAL)	DC RESISTANCE MAXIMUM (mΩ)	DC RESISTANCE TYPICAL (mΩ)	5°C	15°C	25°C	35°C	45°C	55°C
-441	2.8	33	100	110	3.6	3.2	5.13	8.73	11.00	12.80	14.30	15.60
-442	4.2	29	100	85	5.4	4.7	4.23	7.20	9.14	10.60	11.80	12.80
-443	5.7	29	100	65	7.5	6.4	3.60	6.13	7.78	9.05	10.00	10.90
-444	9.0	26	100	55	11.4	9.8	2.91	4.95	6.28	7.31	8.15	8.87
-501	6.5	25	100	55	6.6	5.8	3.97	6.75	8.56	9.96	11.10	12.00
-502	8.4	23	100	45	8.3	7.2	3.55	6.04	7.66	8.91	9.94	10.80
-503	12.5	23	100	35	11.4	9.8	3.04	5.17	6.56	7.63	8.50	9.25
-504	17.0	22	100	29	17.0	14.6	2.49	4.23	5.37	6.25	6.97	7.58
-681	10.5	35	100	30	6.2	5.3	4.35	7.40	9.39	10.90	12.10	13.20
-682	17.6	35	100	24	12.3	10.7	3.06	5.21	6.60	7.68	8.57	9.32
-683	22.0	30	100	21	17.5	15.0	2.58	4.40	5.58	6.49	7.24	7.87
-684	29.0	30	100	16	25.0	21.5	2.16	3.67	4.66	5.42	6.04	6.57

*Complete part # must include series # PLUS the dash #

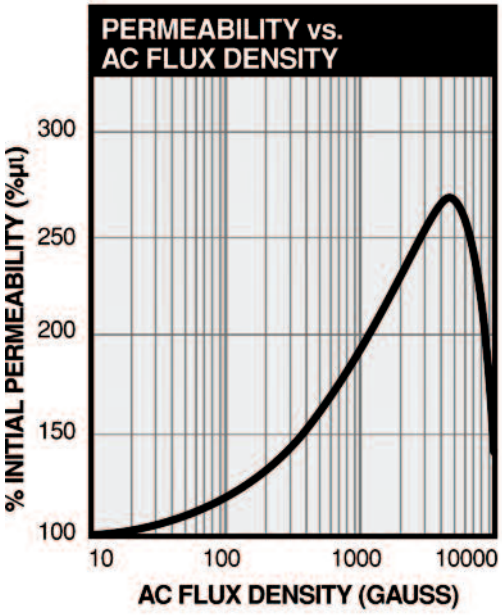
DELEVAN™
A REGAL REXNORD BRAND

SERIES HCTR HCT

RoHS Compliant

Traditional First Quality

High Current Toroidal Inductors



For frequencies ≤ 10 kHz

(mW/cm³)	Hz	Gauss
Core loss =	1.47×10^{-8}	$f^{0.971} B^{2.11}$

For frequencies ≥ 10 kHz

(mW/cm³)	Hz	Gauss
Core loss =	9.07×10^{-10}	$f^{1.26} B^{2.11}$

$$\textbf{Bpk} = \frac{\text{Erms } 10^8}{4.44 \text{ Anf}}$$

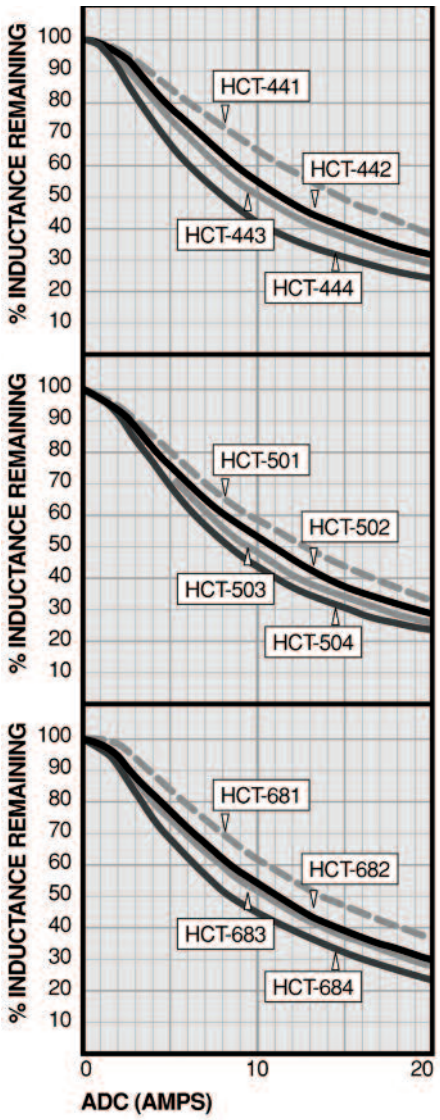
A:

T37 = 0.064 cm²; T44 = 0.099 cm²;
T50 = 0.112 cm²; T68 = 0.179 cm²

This information is intended to be used in assisting the designer in part selection. Each application may contain other variables which must be considered in part selection, such as temperature effects, waveform distortion, etc. API Delevan Sales/Engineering is available to provide information as needed to fit each application.

Data is representative of a DC current with less than 1% ripple and an AC waveform less than: 25 gauss on the HCT-44X, 15 gauss on the HCT-50X and 10 gauss on the HCT-68X.The effect of AC or ripple flux can be significant in many DC inductor applications. When significantly greater AC flux density is present, it becomes necessary to consider its effect on both core loss and permeability (inductance).

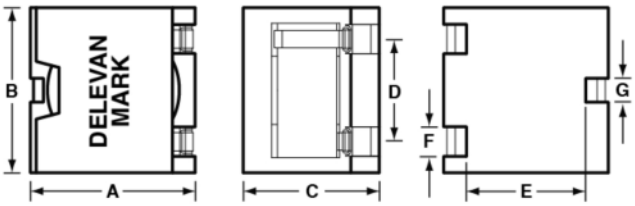
All data points, on the above graphs, that exceed the rated DC current specified for a 55°C rise from a 25°C ambient are for design reference only and are not intended to imply continuous use at those DC current levels.

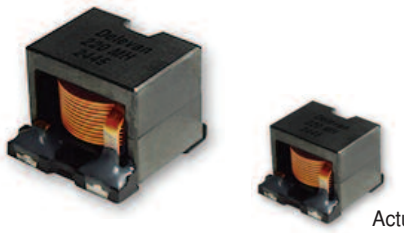


SERIES 5747R

RoHS Compliant

Shielded Surface Mount Power Inductors





Actual Size

Physical Parameters

	Inches	Millimeters
A	0.570 ± 0.016	14.5 ± 0.4
B	0.570 ± 0.016	14.5 ± 0.4
C	0.473 Max.	12.0 Max.
D	0.354 ± 0.016	9.0 ± 0.4
E	0.413 ± 0.016	10.5 ± 0.4
F	0.102 ± 0.012	2.6 ± 0.3
G	0.082 ± 0.012	2.1 ± 0.3

Mechanical Configuration
Termination material: 100 u inches minimum copper plated brass, plated with 100% Tin

Operating Temperature Range
–40°C to +125°C

Current Rating at 25°C Ambient 40°C Rise

Maximum Power Dissipation at 90°C 0.85 W

Core Material Ferrite, Shielded

Isolation Core to Winding = 300 Vrms

Marking Delevan
220 MH
2445

Packaging Tape & Reel, 200 pieces max.

SERIES NUMBER AND DESCRIPTION	DASH NUMBER*	INDUCTANCE (uH) ±20% at 100kHz	DC RESISTANCE MAXIMUM (OHMS)	SATURATION CURRENT (dI) (A) at 25° C	SATURATION CURRENT (dI) (A) at 105° C	CURRENT RATING (A)
4R7ML	4.7	4.44	18.4	14.0	13.0	
6R1ML	6.1	5.40	16.4	12.4	12.5	
7R7ML	7.7	7.56	14.8	11.2	10.3	
100ML	10	8.40	13.1	10.0	9.60	
120ML	12	9.72	11.8	9.0	9.0	
140ML	14	11.28	10.9	8.3	8.3	
7R4MH	7.4	4.44	10.8	8.4	13.0	
100MH	10	5.40	9.2	6.9	12.5	
120MH	12	7.56	8.5	6.5	10.3	
150MH	15	8.40	8.0	6.0	9.6	
180MH	18	9.72	7.2	5.5	9.0	
220MH	22	11.28	6.4	5.0	8.3	

Inductance values are effective inductance at 0.3V AC setting when tested at 100 kHz.

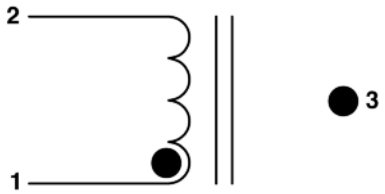
The power rating is the wattage dissipated by the coil when the rated DC current produces the specified temperature rise at the specified ambient temperature.

Current rating is based on a maximum +40 Degree C rise above at +25 Degree C.

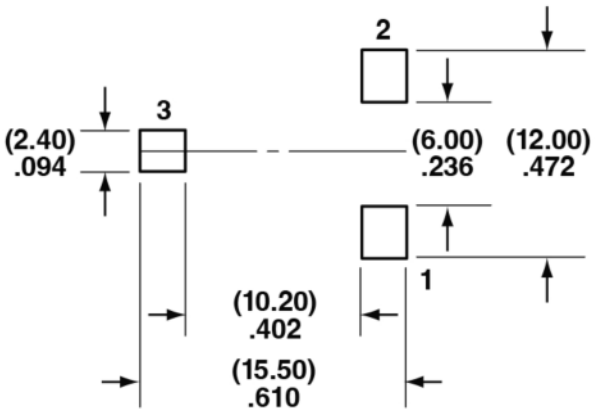
Saturation Current values are based on a 25% decrease of inductance at the specified temperature.

Shall meet the following requirements:
A. DOUBLE-CYCLE per IPC/JEDEC J-STD-020E, Pb-Free assembly profile.
B. Product is RoHs compliant

Electrical Schematic:



RECOMMENDED PCB LAYOUT



DELEVAN™
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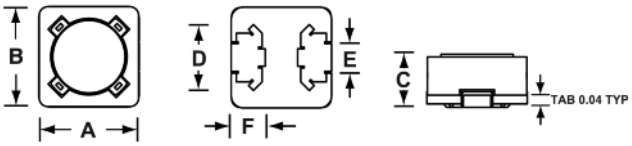
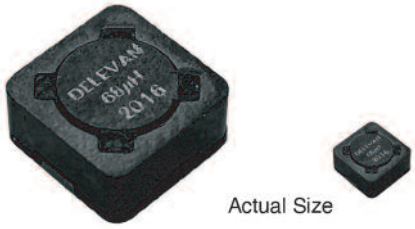
SERIES HRSPD73

Shielded Hi-Rel Surface Mount Inductors





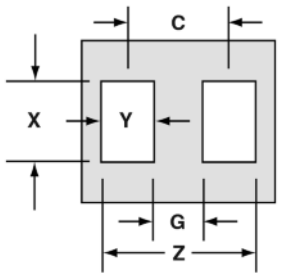
Actual Size

Physical Parameters

	Inches	Millimeters
A	0.290 ± 0.006	7.37 ± 0.15
B	0.290 ± 0.006	7.37 ± 0.15
C	0.166 Max.	4.20 Max.
D	0.190 ± 0.005	4.83 ± 0.13
E	0.080 ± 0.005	2.03 ± 0.13
F	0.100 ± 0.010	2.54 ± 0.25

Dimensions “A” and “C” are over terminals

Suggested Land Pattern



	Inches	Millimeters
Z	0.346	8.79
G	0.076	1.93
X	0.215	5.46
Y	0.135	3.43
C	0.211	5.36

Current Rating at 90°C Ambient 40°C Temp Rise Maximum
Maximum Ambient Temperature 90°C
Operating Temperature Range -55°C to +130°C
Part Storage Temperature Range -55°C to +125°C
Maximum Power Dissipation at 90°C 0.250 Watts Maximum
Inductance Measured at 1.0 VAC at 100 kHz or 10 kHz
Weight/Mass 1.3 grams (0.046 ounces) Maximum
Packaging Tape and Reel (500 pieces max. / 13” reel)

Core Material / Termination Finish

Ferrite Core and Shield
Sn 90 / Pb 10 Tinned Brass Leads

DASH NUMBER*	INDUCTANCE (µH)	PERCENTAGE TOLERANCE (+/-)	TEST FREQUENCY (kHz)	DC RESISTANCE MAXIMUM (OHMS)	INCREMENTAL (SATURATION) CURRENT (AMPS DC) 10% DECREASE IN INDUCTANCE (TYPICAL)	RATED CURRENT (AMPS)
SERIES HRSPD73						
-122M	1.2	20	100	0.010	7.11	3.90
-242M	2.4	20	100	0.020	4.92	2.80
-352M	3.5	20	100	0.025	4.00	2.60
-472M	4.7	20	100	0.030	3.37	2.15
-682M	6.8	20	100	0.040	2.78	1.95
-103M	10	20	100	0.050	2.21	1.75
-123M	12	20	100	0.060	2.13	1.65
-153M	15	20	100	0.070	1.83	1.40
-183M	18	20	100	0.090	1.73	1.28
-223M	22	20	100	0.110	1.56	1.10
-273M	27	20	100	0.130	1.42	1.05
-333M	33	20	100	0.160	1.28	0.98
-393M	39	20	100	0.200	1.16	0.85
-473M	47	20	100	0.250	1.05	0.80
-563M	56	20	100	0.300	0.98	0.75
-683M	68	20	100	0.350	0.88	0.65
-823M	82	20	100	0.400	0.81	0.60
-104M	100	20	10	0.450	0.74	0.54
-124M	120	20	10	0.650	0.66	0.52
-154M	150	20	10	0.750	0.60	0.51
-184M	180	20	10	0.950	0.55	0.40
-224M	220	20	10	1.050	0.49	0.38
-274M	270	20	10	1.200	0.44	0.32
-334M	330	20	10	1.500	0.40	0.30
-394M	390	20	10	1.800	0.37	0.27
-474M	470	20	10	2.400	0.34	0.25
-564M	560	20	10	2.600	0.31	0.24
-684M	680	20	10	3.200	0.28	0.21
-824M	820	20	10	4.000	0.25	0.20
-105M	1000	20	10	5.000	0.23	0.17

*Complete part # must include series # PLUS the dash #

Features and Benefits

Built to meet the following environmental requirements:

- High-Frequency Vibration: MIL-STD-202, Method 204 Test Condition D.
- Mechanical Shock: MIL-STD-202, Method 213 Test Condition I.
- Thermal Shock: MIL-PRF-27, -55°C to +130°C, 25 Cycles.
- Solderability: MIL-STD-202, Method 208.
- Burn-In: 96 Hours at 130°C.
- Moisture Resistance: MIL-STD-202, Method 106.
- Double Cycle SnPb Reflow Profile: MIL-PRF-83446, Section 4.6.18.
- +/-15% and +/-10% tolerances are available upon request.

Individual Part Marking

DELEVAN, Inductance Value, Date Code (YYWWL)

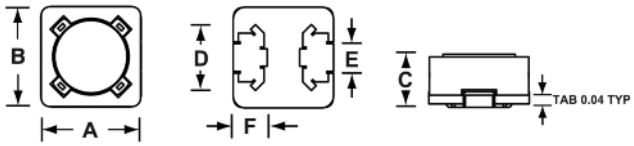
Example: HRSPD73-683M
DELEVAN
68uH
2016

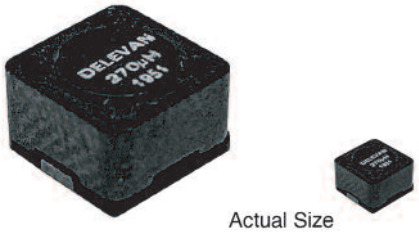
How To Order

HRSPD73	—	683	M
Inductor Series		Dash Number	Tolerance M = 20% L = 15% K = 10%

SERIES HRSPD74

Shielded Hi-Rel Surface Mount Inductors





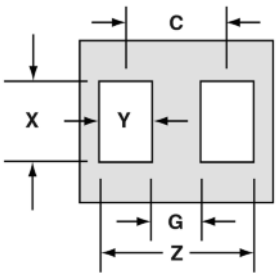
Actual Size

Physical Parameters

	Inches	Millimeters
A	0.290 ± 0.006	7.37 ± 0.15
B	0.290 ± 0.006	7.37 ± 0.15
C	0.198 Max.	5.03 Max.
D	0.190 ± 0.005	4.83 ± 0.13
E	0.080 ± 0.005	2.03 ± 0.13
F	0.100 ± 0.010	2.54 ± 0.25

Dimensions “A” and “C” are over terminals

Suggested Land Pattern



	Inches	Millimeters
Z	0.346	8.79
G	0.076	1.93
X	0.215	5.46
Y	0.135	3.43
C	0.211	5.36

Current Rating at 90°C Ambient 40°C Temp Rise Maximum
Maximum Ambient Temperature 90°C
Operating Temperature Range -55°C to +130°C
Part Storage Temperature Range -55°C to +125°C
Maximum Power Dissipation at 90°C 0.250 Watts Maximum
Inductance Measured at 1.0 VAC at 100 kHz or 10 kHz
Weight/Mass 1.5 grams (0.053 ounces) Maximum
Packaging Tape and Reel (500 pieces max. / 13” reel)

Core Material / Termination Finish

Ferrite Core and Shield
Sn 90 / Pb 10 Tinned Brass Leads

DASH NUMBER*	INDUCTANCE (µH)	PERCENTAGE TOLERANCE (+/-)	TEST FREQUENCY (kHz)	DC RESISTANCE MAXIMUM (OHMS)	INCREMENTAL (SATURATION) CURRENT (AMPS DC) 10% DECREASE IN INDUCTANCE (TYPICAL)	RATED CURRENT (AMPS)
SERIES HRSPD74						
-122M	1.2	20	100	0.010	7.11	3.90
-242M	2.4	20	100	0.020	4.92	2.80
-352M	3.5	20	100	0.025	4.00	2.60
-472M	4.7	20	100	0.030	3.37	2.15
-682M	6.8	20	100	0.040	2.78	1.95
-103M	10	20	100	0.050	2.21	1.75
-123M	12	20	100	0.060	2.13	1.65
-153M	15	20	100	0.070	1.83	1.40
-183M	18	20	100	0.090	1.73	1.28
-223M	22	20	100	0.110	1.56	1.10
-273M	27	20	100	0.130	1.42	1.05
-333M	33	20	100	0.160	1.28	0.98
-393M	39	20	100	0.200	1.16	0.85
-473M	47	20	100	0.250	1.05	0.80
-563M	56	20	100	0.300	0.98	0.75
-683M	68	20	100	0.350	0.88	0.65
-823M	82	20	100	0.400	0.81	0.60
-104M	100	20	10	0.450	0.74	0.54
-124M	120	20	10	0.650	0.66	0.52
-154M	150	20	10	0.750	0.60	0.51
-184M	180	20	10	0.950	0.55	0.40
-224M	220	20	10	1.050	0.49	0.38
-274M	270	20	10	1.200	0.44	0.32
-334M	330	20	10	1.500	0.40	0.30
-394M	390	20	10	1.800	0.37	0.27
-474M	470	20	10	2.400	0.34	0.25
-564M	560	20	10	2.600	0.31	0.24
-684M	680	20	10	3.200	0.28	0.21
-824M	820	20	10	4.000	0.25	0.20
-105M	1000	20	10	5.000	0.23	0.17

*Complete part # must include series # PLUS the dash #

Features and Benefits

Built to meet the following environmental requirements:

- High-Frequency Vibration: MIL-STD-202, Method 204 Test Condition D.
- Mechanical Shock: MIL-STD-202, Method 213 Test Condition I.
- Thermal Shock: MIL-PRF-27, -55°C to +130°C, 25 Cycles.
- Solderability: MIL-STD-202, Method 208.
- Burn-In: 96 Hours at 130°C.
- Moisture Resistance: MIL-STD-202, Method 106.
- Double Cycle SnPb Reflow Profile: MIL-PRF-83446, Section 4.6.18.
- +/-15% and +/-10% tolerances are available upon request.

Individual Part Marking

DELEVAN, Inductance Value, Date Code (YYWWL)

Example: HRSPD74-274M
DELEVAN
270uH
1951

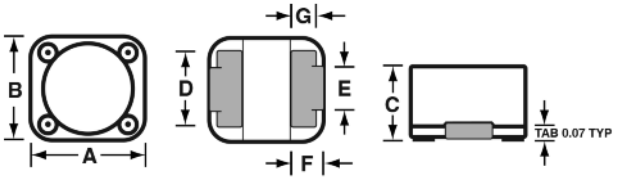
How To Order

HRSPD74	—	274	M
Inductor Series		Dash Number	Tolerance M = 20% L = 15% K = 10%

DELEVAN™
A REGAL REXNORD BRAND

SERIES HRSPD125

Shielded Hi-Rel Surface Mount Inductors



Top

Bottom

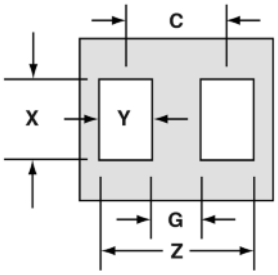
Actual Size

Physical Parameters

	Inches	Millimeters
A	0.475 ± 0.004	12.07 ± 0.10
B	0.475 ± 0.004	12.07 ± 0.10
C	0.283 Max.	7.02 Max.
D	0.340 ± 0.005	8.64 ± 0.13
E	0.175 ± 0.005	4.45 ± 0.13
F	0.130 ± 0.010	3.30 ± 0.25
G	0.110 ± 0.005	2.80 ± 0.13

Dimensions “A” and “C” are over terminals

Suggested Land Pattern



	Inches	Millimeters
Z	0.535	12.59
G	0.190	4.83
X	0.350	9.14
Y	0.173	4.39
C	0.363	9.22

Current Rating at 90°C Ambient 40°C Temp Rise Maximum
Maximum Ambient Temperature 90°C
Operating Temperature Range -55°C to +130°C
Part Storage Temperature Range -55°C to +125°C
Maximum Power Dissipation at 90°C 0.560 Watts Maximum
Inductance Measured at 1.0V AC at 100 kHz or 10 kHz
Weight/Mass 4.0 grams (0.14 ounces) Maximum
Packaging Tape and Reel (250 pieces max. / 13” reel)

Core Material / Termination Finish
Ferrite Core and Shield
Sn 90 / Pb 10 Tinned Brass Leads

DASH NUMBER*	INDUCTANCE (µH)	PERCENTAGE TOLERANCE (+/-)	TEST FREQUENCY (kHz)	DC RESISTANCE MAXIMUM (OHMS)	INCREMENTAL (SATURATION) CURRENT (AMPS DC) 10% DECREASE IN INDUCTANCE (TYPICAL)	RATED CURRENT (AMPS)
SERIES HRSPD125						
-222M	2.2	20	100	0.010	11.27	7.50
-332M	3.3	20	100	0.012	9.54	7.00
-472M	4.7	20	100	0.014	7.29	5.70
-682M	6.8	20	100	0.017	6.53	5.30
-103M	10	20	100	0.030	5.39	4.00
-123M	12	20	100	0.034	4.96	3.60
-153M	15	20	100	0.046	4.28	3.10
-183M	18	20	100	0.052	4.00	2.90
-223M	22	20	100	0.068	3.54	2.50
-273M	27	20	100	0.078	3.18	2.30
-333M	33	20	100	0.088	2.88	2.20
-393M	39	20	100	0.110	2.64	2.00
-473M	47	20	100	0.125	2.43	1.90
-563M	56	20	100	0.140	2.25	1.80
-683M	68	20	100	0.155	2.03	1.70
-823M	82	20	100	0.175	1.85	1.60
-104M	100	20	10	0.225	1.65	1.40
-124M	120	20	10	0.260	1.53	1.30
-154M	150	20	10	0.290	1.36	1.20
-184M	180	20	10	0.330	1.25	1.10
-224M	220	20	10	0.420	1.12	1.00
-274M	270	20	10	0.480	1.01	0.95
-334M	330	20	10	0.680	0.92	0.80
-394M	390	20	10	0.900	0.84	0.70
-474M	470	20	10	1.050	0.77	0.65
-564M	560	20	10	1.250	0.71	0.58
-684M	680	20	10	1.450	0.65	0.55
-824M	820	20	10	1.800	0.58	0.49
-105M	1000	20	10	2.200	0.53	0.44

*Complete part # must include series # PLUS the dash #

Features and Benefits

Built to meet the following environmental requirements:

- High-Frequency Vibration: MIL-STD-202, Method 204 Test Condition D.
- Mechanical Shock: MIL-STD-202, Method 213 Test Condition I.
- Thermal Shock: MIL-PRF-27, -55°C to +130°C, 25 Cycles.
- Solderability: MIL-STD-202, Method 208.
- Burn-In: 96 Hours at 130°C.
- Moisture Resistance: MIL-STD-202, Method 106.
- Double Cycle SnPb Reflow Profile: MIL-PRF-83446, Section 4.6.18.
- +/-15% and +/-10% tolerances are available upon request.

Individual Part Marking

DELEVAN, Inductance Value, Date Code (YYWWL)

Example: HRSPD125-473M
DELEVAN
47uH
1746

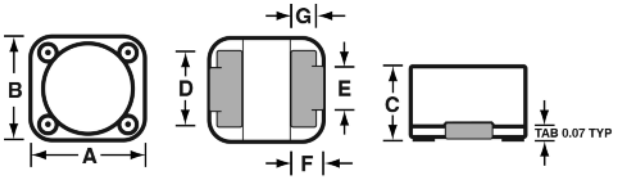
How To Order

HRSPD125	—	473	M
Inductor Series		Dash Number	Tolerance M = 20% L = 15% K = 10%

DELEVAN™
A REGAL REXNORD BRAND

SERIES HRSPD127

Shielded Hi-Rel Surface Mount Inductors



Top

Bottom

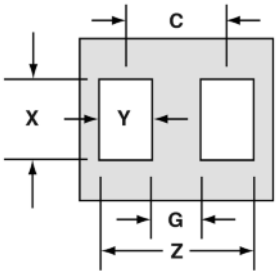
Actual Size

Physical Parameters

	Inches	Millimeters
A	0.475 ± 0.004	12.07 ± 0.10
B	0.475 ± 0.004	12.07 ± 0.10
C	0.355 Max.	9.02 Max.
D	0.340 ± 0.005	8.64 ± 0.13
E	0.175 ± 0.005	4.45 ± 0.13
F	0.130 ± 0.010	3.30 ± 0.25
G	0.110 ± 0.005	2.80 ± 0.13

Dimensions “A” and “C” are over terminals

Suggested Land Pattern



	Inches	Millimeters
Z	0.535	13.59
G	0.190	4.83
X	0.350	9.14
Y	0.173	4.39
C	0.363	9.22

Current Rating at 90°C Ambient 40°C Temp Rise Maximum
Maximum Ambient Temperature 90°C
Operating Temperature Range -55°C to +130°C
Part Storage Temperature Range -55°C to +125°C
Maximum Power Dissipation at 90°C 0.890 Watts Maximum
Inductance Measured at 1.0V AC at 100 kHz or 10 kHz
Weight/Mass 5.2 grams (0.18 ounces) Maximum
Packaging Tape and Reel (250 pieces max. / 13” reel)

Core Material / Termination Finish

Ferrite Core and Shield

Sn 90 / Pb 10 Tinned Brass Leads

DASH NUMBER*	INDUCTANCE (µH)	PERCENTAGE TOLERANCE (+/-)	TEST FREQUENCY (kHz)	DC RESISTANCE MAXIMUM (OHMS)	INCREMENTAL (SATURATION) CURRENT (AMPS DC) 10% DECREASE IN INDUCTANCE (TYPICAL)	RATED CURRENT (AMPS)
SERIES HRSPD127						
-222M	2.2	20	100	0.009	11.82	8.10
-332M	3.3	20	100	0.010	10.00	7.50
-472M	4.7	20	100	0.012	8.67	6.50
-682M	6.8	20	100	0.014	6.84	6.00
-103M	10	20	100	0.017	5.65	5.50
-123M	12	20	100	0.022	5.20	4.70
-153M	15	20	100	0.026	4.48	4.30
-183M	18	20	100	0.034	4.19	3.70
-223M	22	20	100	0.038	3.71	3.50
-273M	27	20	100	0.053	3.33	3.00
-333M	33	20	100	0.059	3.17	2.80
-393M	39	20	100	0.065	2.77	2.65
-473M	47	20	100	0.074	2.55	2.50
-563M	56	20	100	0.093	2.36	2.30
-683M	68	20	100	0.105	2.13	2.10
-823M	82	20	100	0.142	1.94	1.80
-104M	100	20	10	0.158	1.78	1.70
-124M	120	20	10	0.180	1.65	1.60
-154M	150	20	10	0.235	1.40	1.40
-184M	180	20	10	0.260	1.29	1.35
-224M	220	20	10	0.300	1.17	1.25
-274M	270	20	10	0.420	1.06	1.05
-334M	330	20	10	0.460	0.96	1.00
-394M	390	20	10	0.600	0.88	0.90
-474M	470	20	10	0.690	0.81	0.83
-564M	560	20	10	0.930	0.73	0.70
-684M	680	20	10	1.050	0.67	0.68
-824M	820	20	10	1.140	0.62	0.65
-105M	1000	20	10	1.600	0.55	0.55

*Complete part # must include series # PLUS the dash #

Features and Benefits

Built to meet the following environmental requirements:

- High-Frequency Vibration: MIL-STD-202, Method 204 Test Condition D.
- Mechanical Shock: MIL-STD-202, Method 213 Test Condition I.
- Thermal Shock: MIL-PRF-27, -55°C to +130°C, 25 Cycles.
- Solderability: MIL-STD-202, Method 208.
- Burn-In: 96 Hours at 130°C.
- Moisture Resistance: MIL-STD-202, Method 106.
- Double Cycle SnPb Reflow Profile: MIL-PRF-83446, Section 4.6.18.
- +/-15% and +/-10% tolerances are available upon request.

Individual Part Marking

DELEVAN, Inductance Value, Date Code (YYWWL)

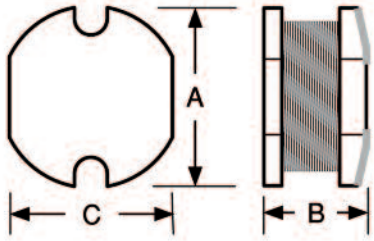
Example: HRSPD127-473M
DELEVAN
47uH
1746

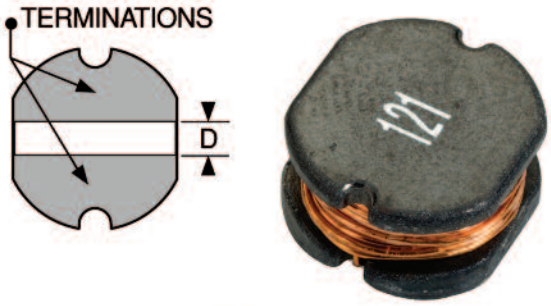
How To Order

HRSPD127	—	473	M
Inductor Series		Dash Number	Tolerance M = 20% L = 15% K = 10%

SERIES PDxxxR RoHS Compliant

SMT Power Choke Core





Actual Size (PD105R)

**** Test Measurement Frequency**
Values < 10µH tested @ 7.96 MHz;
Values ≥10uH tested @ 1.0 kHz

Mechanical Configuration
Units designed for Surface Mounting

Terminals Solder Coated

Core Construction High Resistivity Ferrite

Operating Temperature Range –55°C to +125°C

Current Rating at 25°C Ambient The maximum DC Current that will cause a 40°C maximum temperature rise and where the inductance will not decrease by more than 10% from the zero DC value.

Inductance Tolerance Tolerance is indicated by the suffix to API part number. Standard tolerance per part number is as shown in table.
M = ±20%; K = ±10%.

Marking For values lower than 10 H the R indicates a decimal point and the remaining digits indicate the inductance in H. For values 10 H and above, the first two digits indicate the inductance in H and the third digit indicates the number of trailing zeros where a zero indicates that there are no trailing zeros.

Example: PD43R-102M (1.0 H)
1R0

Example: PD73R-224K (220 H)
221

Physical Parameters

Dimensions

Inches	PD43R	PD54R	PD73R	PD75R	PD104R	PD105R
A	0.165 ±0.024	0.224 ±0.008	0.303 ±0.008	0.303 ±0.008	0.386 ±0.016	0.386 ±0.016
B	0.137 MAX.	0.177 MAX.	0.138 MAX.	0.197 MAX.	0.157 MAX.	0.213 MAX.
C	0.153 ±0.012	0.201 ±0.008	0.272 ±0.008	0.272 ±0.008	0.346 ±0.016	0.346 ±0.016
D	0.060 REF.	0.051 REF.	0.063 REF.	0.063 REF.	0.083 REF.	0.083 REF.

Millimeters	PD43R	PD54R	PD73R	PD75R	PD104R	PD105R
A	4.2 ±0.6	5.7 ±0.2	7.7 ±0.2	7.7 ±0.2	9.8 ±0.4	9.8 ±0.4
B	3.5 MAX.	4.5 MAX.	3.5 MAX.	5.0 MAX.	4.0 MAX.	5.4 MAX.
C	3.9 ±0.3	5.1 ±0.2	6.9 ±0.2	6.9 ±0.2	8.8 ±0.4	8.8 ±0.4
D	1.52 REF.	1.30 REF.	1.60 REF.	1.60 REF.	2.10 REF.	2.10 REF.

Packaging Tape & reel: 7" reel not available; maximum pieces per 13" reel as follows

	PD43R	PD54R	PD73R	PD75R	PD104R	PD105R
mm	12	16	16	16	24	24
Pieces	1500	1000	1000	500	1000	500

****Additional Information on Next Page**

PD SERIES (continued)

DASH NUMBER*	INDUCTANCE (µH)**	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (AMPS)
SERIES PD43R			
-102M	1.0	0.049	2.56
-152M	1.5	0.056	2.52
-182M	1.8	0.064	1.95
-222M	2.2	0.071	1.75
-272M	2.7	0.079	1.58
-332M	3.3	0.086	1.44
-392M	3.9	0.094	1.33
-472M	4.7	0.109	1.15
-562M	5.6	0.126	0.99
-682M	6.8	0.131	0.95
-822M	8.2	0.146	0.84
-103M	10	0.182	0.83
-123M	12	0.210	0.80
-153M	15	0.235	0.77
-183M	18	0.338	0.74
-223M	22	0.378	0.66
-273M	27	0.522	0.62
-333K	33	0.540	0.56
-393K	39	0.587	0.52
-473K	47	0.844	0.44
-563K	56	0.937	0.42
-683K	68	1.120	0.37
SERIES PD54R			
-102M	1.0	0.050	2.90
-152M	1.5	0.055	2.70
-182M	1.8	0.060	2.60
-222M	2.2	0.064	2.40
-272M	2.7	0.067	2.20
-332M	3.3	0.070	2.00
-392M	3.9	0.075	1.90
-472M	4.7	0.080	1.80
-562M	5.6	0.085	1.70
-682M	6.8	0.090	1.60
-822M	8.2	0.095	1.50
-103K	10	0.100	1.44
-123K	12	0.130	1.35
-153K	15	0.160	1.27
-183K	18	0.180	1.19
-223K	22	0.210	1.11
-273K	27	0.240	1.00
-333K	33	0.280	0.90
-393K	39	0.320	0.80
-473K	47	0.370	0.72
-563K	56	0.420	0.68
-683K	68	0.500	0.63
-823K	82	0.600	0.58
-104K	100	0.700	0.52
-124K	120	0.850	0.46
-154K	150	1.100	0.40
-184K	180	1.330	0.37
-224K	220	1.570	0.35

** Test Measurement Frequency
Values < 10µH tested @ 7.96 MHz
Values ≥ 10µH tested @ 1.0 kHz

DASH NUMBER*	INDUCTANCE (µH)**	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (AMPS)
SERIES PD73R			
-332M	3.3	0.050	2.50
-392M	3.9	0.055	2.30
-472M	4.7	0.060	2.10
-562M	5.6	0.065	1.90
-682M	6.8	0.070	1.75
-822M	8.2	0.075	1.60
-103K	10	0.080	1.44
-123K	12	0.090	1.35
-153K	15	0.100	1.30
-183K	18	0.115	1.20
-223K	22	0.130	1.07
-273K	27	0.170	0.98
-333K	33	0.205	0.90
-393K	39	0.230	0.80
-473K	47	0.250	0.68
-563K	56	0.280	0.64
-683K	68	0.350	0.59
-823K	82	0.410	0.54
-104K	100	0.480	0.51
-124K	120	0.570	0.45
-154K	150	0.750	0.40
-184K	180	1.000	0.35
-224K	220	1.200	0.31
SERIES PD75R			
-103K	10	0.080	2.00
-123K	12	0.085	1.90
-153K	15	0.085	1.75
-183K	18	0.090	1.60
-223K	22	0.090	1.50
-273K	27	0.120	1.40
-333K	33	0.150	1.30
-393K	39	0.180	1.20
-473K	47	0.210	1.10
-563K	56	0.240	0.94
-683K	68	0.300	0.85
-823K	82	0.370	0.78
-104K	100	0.500	0.74
-124K	120	0.570	0.68
-154K	150	0.640	0.58
-184K	180	0.680	0.54
-224K	220	0.720	0.49

** Test Measurement Frequency
Values < 10µH tested @ 7.96 MHz
Values ≥ 10µH tested @ 1.0 kHz

*Complete part # must include series # PLUS the dash #

DASH NUMBER*	INDUCTANCE (µH)**	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (AMPS)
SERIES PD104R			
-472M	4.7	0.040	3.00
-562M	5.6	0.045	2.85
-682M	6.8	0.045	2.70
-822M	8.2	0.050	2.55
-103K	10	0.050	2.38
-123K	12	0.060	2.20
-153K	15	0.070	2.00
-183K	18	0.080	1.80
-223K	22	0.090	1.60
-273K	27	0.110	1.45
-333K	33	0.130	1.30
-393K	39	0.150	1.20
-473K	47	0.170	1.10
-563K	56	0.200	1.01
-683K	68	0.220	0.94
-823K	82	0.250	0.85
-104K	100	0.340	0.74
-124K	120	0.450	0.67
-154K	150	0.540	0.61
-184K	180	0.630	0.57
-224K	220	0.720	0.53
-274K	270	0.900	0.48
-334K	330	1.100	0.42
-394K	390	1.300	0.39
-474K	470	1.530	0.35
-564K	560	1.900	0.32
-684K	680	2.300	0.28
SERIES PD105R			
-103K	10	0.060	2.60
-123K	12	0.070	2.45
-153K	15	0.080	2.30
-183K	18	0.090	2.15
-223K	22	0.100	1.95
-273K	27	0.115	1.80
-333K	33	0.125	1.65
-393K	39	0.145	1.40
-473K	47	0.170	1.28
-563K	56	0.190	1.17
-683K	68	0.230	1.08
-823K	82	0.250	1.00
-104K	100	0.350	0.97
-124K	120	0.420	0.88
-154K	150	0.470	0.80
-184K	180	0.560	0.72
-224K	220	0.730	0.66
-274K	270	0.950	0.60
-334K	330	1.150	0.52
-394K	390	1.350	0.48
-474K	470	1.480	0.42
-564K	560	1.900	0.33
-684K	680	2.250	0.28
-824K	820	2.550	0.24

** Test Measurement Frequency
Values < 10µH tested @ 7.96 MHz
Values ≥ 10µH tested @ 1.0 kHz

SERIES

PTHFxxxR-SM
PTKMxxxR-SM
PTHF-SM
PTKM-SM

RoHS Compliant

Traditional First Quality

Surface Mount Toroidal Power Chokes

Actual Size (Max.)
(PTHF 100-50SM)

- **Excellent electromagnetic shielding** performance for commercial and industrial applications
- **For higher saturation levels** use Series PTHF-SM
- Current rating from 0.92 to 7.36 amps
- Inductance values from 10 µH to 330 µH

Marking API; ether PTHF or PTKM; remainder of part number.

Example: PTKM50R-50SM
API
PTHF
50R-50SM

Notes 1) Rated current is based on a 35°C temperature rise at an ambient temperature of 90°C. 2) Incremental current is the approximate value that will cause a percentage drop in inductance as indicated in the table.

DASH NUMBER*	INDUCTANCE @ 1 kHz (µH) ±10%	CURRENT RATING ADC	Inc-I ADC ΔL 10%	Inc-I ADC ΔL 20%	DC RESISTANCE MAXIMUM (OHMS)	SRF MINIMUM (MHz)
SERIES PTHF-SM HIGH SATURATION CORE						
PTHF10-50SM	10	7.36	6.00	8.70	0.01	35.0
PTHF25-50SM	25	5.20	3.60	5.30	0.02	10.0
PTHF50-50SM	50	3.93	2.00	3.10	0.04	7.0
PTHF75-50SM	75	3.47	1.60	2.50	0.05	5.0
PTHF100-50SM	100	3.14	1.50	2.20	0.06	4.0
PTHF150-50SM	150	2.33	1.20	1.80	0.10	3.0
PTHF200-50SM	200	1.97	1.00	1.60	0.14	2.0
PTHF250-50SM	250	1.84	0.90	1.40	0.16	1.5
PTHF330-50SM	330	1.69	0.80	1.20	0.19	1.0
PTHF10-40SM	10	4.84	3.80	5.70	0.02	35.0
PTHF25-40SM	25	3.38	2.20	3.50	0.04	20.0
PTHF50-40SM	50	1.90	1.70	2.50	0.11	13.0
PTHF75-40SM	75	1.69	1.30	2.00	0.14	9.0
PTHF100-40SM	100	1.60	1.10	1.70	0.16	6.0
PTHF150-40SM	150	1.45	0.90	1.40	0.19	3.5
PTHF200-40SM	200	1.12	0.70	1.10	0.32	3.0
PTHF250-40SM	250	1.05	0.70	1.10	0.36	2.5
PTHF10-30SM	10	2.56	2.20	3.40	0.05	35.0
PTHF25-30SM	25	2.16	1.40	2.10	0.07	25.0
PTHF50-30SM	50	1.81	1.20	1.30	0.10	10.0
PTHF75-30SM	75	1.62	0.80	1.20	0.13	7.0
PTHF100-30SM	100	1.50	0.60	1.00	0.15	6.0
PTHF150-30SM	150	1.33	0.60	1.00	0.19	3.5
PTHF200-30SM	200	1.04	0.50	0.70	0.30	3.0
PTHF250-30SM	250	0.96	0.50	0.70	0.36	3.0
SERIES PTKM-SM FERROUS ALLOY CORE						
PTKM10-50SM	10	7.36	1.70	3.30	0.01	35.0
PTKM25-50SM	25	5.20	1.00	1.90	0.02	10.0
PTKM50-50SM	50	3.93	0.70	1.30	0.04	7.0
PTKM75-50SM	75	3.47	0.60	1.10	0.05	5.0
PTKM100-50SM	100	3.14	0.50	0.96	0.06	4.0
PTKM150-50SM	150	2.33	0.40	0.78	0.10	3.0
PTKM200-50SM	200	1.97	0.35	0.65	0.14	2.0
PTKM250-50SM	250	1.84	0.31	0.59	0.16	1.5
PTKM330-50SM	330	1.69	0.27	0.50	0.19	1.0
PTKM10-40SM	10	4.84	1.30	2.50	0.02	35.0
PTKM25-40SM	25	3.38	0.70	1.30	0.04	20.0
PTKM50-40SM	50	1.90	0.56	1.00	0.11	13.0
PTKM75-40SM	75	1.69	0.45	0.86	0.14	9.0
PTKM100-40SM	100	1.60	0.40	0.76	0.16	6.0
PTKM150-40SM	150	1.45	0.33	0.60	0.19	3.5
PTKM200-40SM	200	1.12	0.30	0.56	0.32	3.0
PTKM250-40SM	250	1.05	0.25	0.48	0.36	2.5
PTKM10-30SM	10	2.56	0.80	1.60	0.05	35.0
PTKM25-30SM	25	2.16	0.50	0.96	0.07	25.0
PTKM50-30SM	50	1.81	0.35	0.68	0.10	10.0
PTKM75-30SM	75	1.62	0.28	0.54	0.13	7.0
PTKM100-30SM	100	1.50	0.23	0.50	0.15	6.0
PTKM150-30SM	150	1.33	0.20	0.40	0.19	3.5
PTKM200-30SM	200	1.04	0.17	0.34	0.30	3.0
PTKM250-30SM	250	0.96	0.15	0.30	0.36	3.0

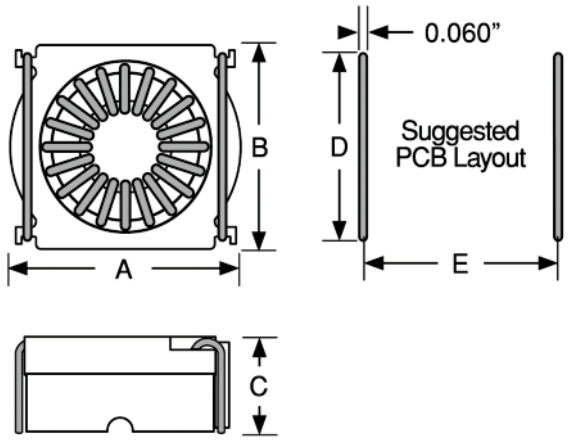
*Complete part # must include series # PLUS the dash #

SERIES PTHFxxxR-SM & PTKMxxxR-SM
PTHF-SM & PTKM-SM

RoHS Compliant

Traditional First Quality

Surface Mount Toroidal Power Chokes



PHYSICAL PARAMETERS

PART NUMBER*	A Max.		B Max.		C Max.		D Nom.		E Nom.	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
PT**10-50SM	0.700	17.78	0.670	17.02	0.400	10.16	0.600	15.24	0.600	15.24
PT**25-50SM	0.700	17.78	0.670	17.02	0.400	10.16	0.600	15.24	0.600	15.24
PT**50-50SM	0.700	17.78	0.670	17.02	0.400	10.16	0.600	15.24	0.600	15.24
PT**75-50SM	0.700	17.78	0.670	17.02	0.400	10.16	0.600	15.24	0.600	15.24
PT**100-50SM	0.700	17.78	0.670	17.02	0.400	10.16	0.600	15.24	0.600	15.24
PT**150-50SM	0.700	17.78	0.670	17.02	0.400	10.16	0.600	15.24	0.600	15.24
PT**200-50SM	0.700	17.78	0.670	17.02	0.400	10.16	0.600	15.24	0.600	15.24
PT**250-50SM	0.700	17.78	0.670	17.02	0.400	10.16	0.600	15.24	0.600	15.24
PT**330-50SM	0.700	17.78	0.670	17.02	0.400	10.16	0.600	15.24	0.600	15.24
PT**10-40SM	0.570	14.48	0.560	14.22	0.400	10.16	0.500	12.70	0.500	12.70
PT**25-40SM	0.570	14.48	0.560	14.22	0.400	10.16	0.500	12.70	0.500	12.70
PT**50-40SM	0.570	14.48	0.560	14.22	0.400	10.16	0.500	12.70	0.500	12.70
PT**75-40SM	0.570	14.48	0.560	14.22	0.400	10.16	0.500	12.70	0.500	12.70
PT**100-40SM	0.570	14.48	0.560	14.22	0.400	10.16	0.500	12.70	0.500	12.70
PT**150-40SM	0.570	14.48	0.560	14.22	0.400	10.16	0.500	12.70	0.500	12.70
PT**200-40SM	0.570	14.48	0.560	14.22	0.400	10.16	0.500	12.70	0.500	12.70
PT**250-40SM	0.570	14.48	0.560	14.22	0.400	10.16	0.500	12.70	0.500	12.70
PT**10-30SM	0.440	11.18	0.440	11.18	0.400	10.16	0.400	10.16	0.400	10.16
PT**25-30SM	0.440	11.18	0.440	11.18	0.400	10.16	0.400	10.16	0.400	10.16
PT**50-30SM	0.440	11.18	0.440	11.18	0.400	10.16	0.400	10.16	0.400	10.16
PT**75-30SM	0.440	11.18	0.440	11.18	0.400	10.16	0.400	10.16	0.400	10.16
PT**100-30SM	0.440	11.18	0.440	11.18	0.400	10.16	0.400	10.16	0.400	10.16
PT**150-30SM	0.440	11.18	0.440	11.18	0.400	10.16	0.400	10.16	0.400	10.16
PT**200-30SM	0.440	11.18	0.440	11.18	0.400	10.16	0.400	10.16	0.400	10.16
PT**250-30SM	0.440	11.18	0.440	11.18	0.400	10.16	0.400	10.16	0.400	10.16

**Insert HF or KM for complete Part Number

*Complete part # must include series # PLUS the dash #

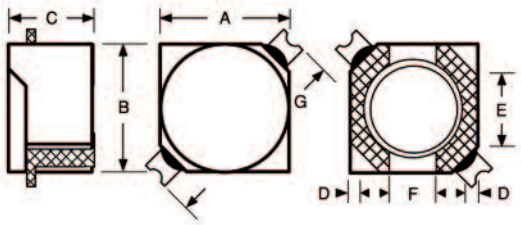
DELEVAN™ A REGAL REXNORD BRAND

SERIES SPD42R

RoHS Compliant

Shielded Surface Mount Inductors

Actual Size



DASH NUMBER*	INDUCTANCE (µH) ±20%	TEST FREQUENCY (kHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (Amps)	SRF TYPICAL (MHz)
SERIES SPD42R					
-122M	1.2	100	0.019	1.80	120
-222M	2.2	100	0.023	1.35	77
-332M	3.3	100	0.032	1.10	65
-472M	4.7	100	0.045	0.90	55
-682M	6.8	100	0.060	0.73	45
-103M	10	100	0.083	0.58	37
-123M	12	1.0	0.100	0.53	34
-153M	15	1.0	0.115	0.46	30
-183M	18	1.0	0.150	0.42	28
-223M	22	1.0	0.160	0.38	25
-273M	27	1.0	0.190	0.35	21
-333M	33	1.0	0.215	0.32	18
-393M	39	1.0	0.290	0.30	17
-473M	47	1.0	0.320	0.28	16
-563M	56	1.0	0.365	0.25	15
-683M	68	1.0	0.480	0.22	14
-823M	82	1.0	0.520	0.20	12
-104M	100	1.0	0.700	0.12	11

*Complete part # must include series # PLUS the dash #

Mechanical Configuration
Magnetically shielded surface mount power inductor ferrite core & shield.

Physical Parameters

	Inches	Millimeters
A	0.185 ± 0.012	4.7 ± 0.3
B	0.185 ± 0.012	4.7 ± 0.3
C	0.115 Max.	2.92 Max.
D	0.015 Ref.	0.38 Ref.
E	0.100 Ref.	2.54 Ref.
F	0.065 Ref.	1.65 Ref.
G	0.270 Ref.	6.86 Ref.
H	0.075 Ref.	1.90 Ref.
I	0.210 Ref.	5.30 Ref.
J	0.059 Ref.	1.50 Ref.

Operating Temperature Range –55°C to +125°C

Current Rating at 25°C Ambient 40°C maximum temperature rise and 10% maximum decrease in inductance

Application Frequency Range
18 Inductance values from 1.2 µH to 100 µH

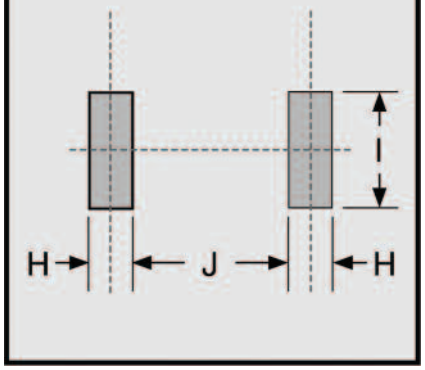
Core Material Ferrite

Weight (Grams Max.) 0.85

Packaging Tape & reel (12mm):
7" reel, 500 pieces max.

Note: No vias and traces in restricted area.

LAND PATTERN DIMENSIONS

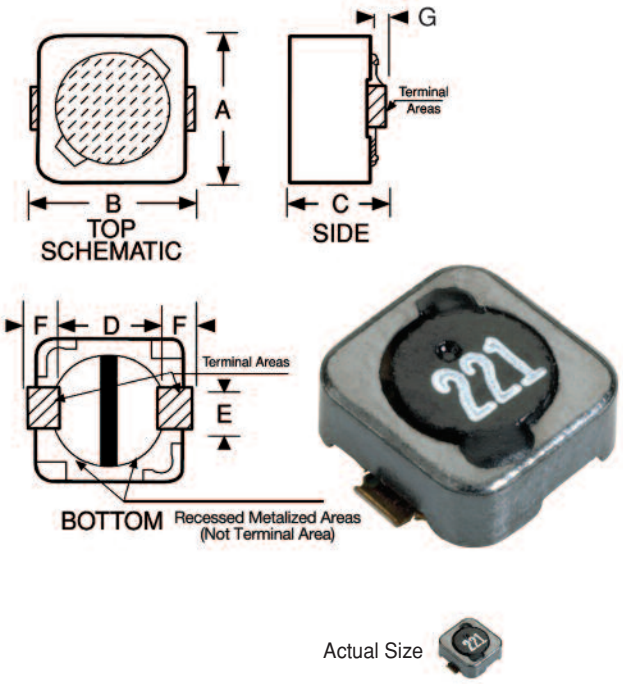


DELEVAN™
A REGAL REXNORD BRAND

SERIES SPD62R

RoHS Compliant

Shielded Surface Mount Inductors



Actual Size

DASH NUMBER*	INDUCTANCE (µH) ±20%	TEST FREQUENCY (kHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING TYPICAL (AMPS)
SERIES SPD62 FERRITE CORE & SLEEVE				
-122M	1.2	100	0.08	3.50
-242M	2.4	100	0.10	2.80
-352M	3.5	100	0.12	2.50
-472M	4.7	100	0.15	2.00
-682M	6.8	100	0.17	1.80
-103M	10	100	0.18	1.40
-123M	12	100	0.20	1.30
-153M	15	1.0	0.30	1.20
-183M	18	1.0	0.35	1.10
-223M	22	1.0	0.40	1.00
-273M	27	1.0	0.45	0.94
-333M	33	1.0	0.50	0.82
-393M	39	1.0	0.70	0.78
-473M	47	1.0	0.75	0.70
-563M	56	1.0	0.85	0.68
-683M	68	1.0	1.20	0.56
-823M	82	1.0	1.45	0.50
-104M	100	1.0	1.60	0.41
-124M	120	1.0	1.70	0.39
-154M	150	1.0	1.80	0.37
-184M	180	1.0	2.10	0.35
-224M	220	1.0	2.20	0.32
-274M	270	1.0	3.00	0.29
-334M	330	1.0	3.30	0.22

*Complete part # must include series # PLUS the dash #

Physical Parameters

	Inches	Millimeters
A	0.244 ± 0.012	6.2 ± 0.3
B	0.260 ± .012	6.6 ± 0.3
C	0.118 Max.	3.0 Max.
D	0.181 Ref. only	4.60 Ref. only
E	0.059 ± 0.007	1.5 ± 0.2
F	0.050 ± 0.007	1.27 ± 0.2
G	0.015 Ref. only	0.38 Ref. only

Mechanical Configuration Units designed for surface mounting; ferrite core and ferrite sleeve

Operating temperature range –55°C to +125°C

Application Frequency Range
Values 1.2µH to 12µH to 1.0 MHz Min.
Values above 12µH to 300 kHz Min.

Current Rating at 25°C Ambient The maximum DC current that will cause a 40°C maximum temperature rise and where the inductance will not decrease by more than 10% from its zero DC value

Packaging Tape & reel (16mm):
13" reel, 1500 pieces max.; 7" reel not available

Note: No vias and traces in restricted area.

Marking For values lower than 10 µH the R indicates a decimal point and the remaining digits indicate the inductance in µH. For values 10 µH and above, the first two digits indicate the inductance in µH and the third digit indicates the number of trailing zeros where a zero indicates that there are no trailing zeros.

Example: SPD62R-122M (1.2 µH)
1R2

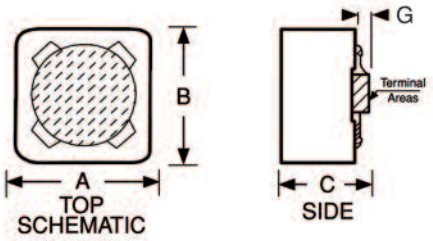
Example: SPD62R-334M (330 µH)
331

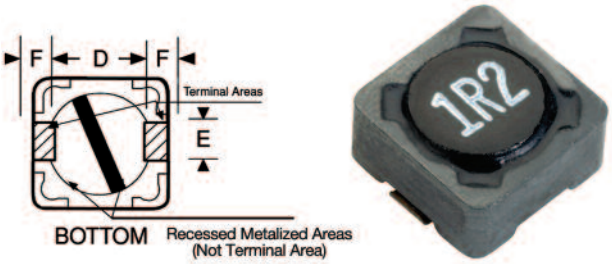
SERIES SPD73R SPD74R

RoHS Compliant

Traditional First Quality

Shielded Surface Mount Inductors





Actual Size 

Physical Parameters

	Inches	Millimeters
A	0.287 ± .020	7.3 ± 0.5
B	0.287 ± .020	7.3 ± 0.5
C	0.185 Max.	4.7 Max. (Series SPD74)
C	0.153 Max.	3.9 Max.(Series SPD73)
D	0.200 ± 0.020	5.0 ± 0.5
E	0.088 ± 0.020	2.2 ± 0.5
F	0.042 ± 0.020	1.0 ± 0.5
G	0.015 Ref. only	0.38 Ref. only

Mechanical Configuration Units designed for surface mounting; ferrite core and ferrite sleeve

Operating temperature range –55°C to +125°C

Application Frequency Range
Values 1.2µH to 10µH to 1.0 MHz Min.
Values above 10µH to 300 kHz Min.

Current Rating at 25°C Ambient The maximum DC current that will cause a 40°C maximum temperature rise and where the inductance will not decrease by more than 10% from its zero DC value

Marking For values lower than 10 µH the R indicates a decimal point and the remaining digits indicate the inductance in µH. For values 10 µH and above, the first two digits indicate the inductance in µH and the third digit indicates the number of trailing zeros where a zero indicates that there are no trailing zeros.

Example: SPD73R-122M (1.2 µH)
1R2

Example: SPD74R-105M (1,000 µH)
102

Packaging Tape & reel (16mm):
13" reel, 1000 pieces max.; 7" reel not available

Note: No vias and traces in restricted area.

DASH NUMBER*	INDUCTANCE (µH) ±20%	TEST FREQUENCY (kHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (A DC)
SERIES SPD73R FERRITE CORE & SLEEVE				
-122M	1.2	100	0.020	3.40
-242M	2.4	100	0.032	2.69
-352M	3.5	100	0.035	2.60
-472M	4.7	100	0.050	2.15
-682M	6.8	100	0.065	1.90
-103M	10	100	0.067	1.90
-123M	12	1.0	0.080	1.70
-153M	15	1.0	0.091	1.59
-183M	18	1.0	0.14	1.28
-223M	22	1.0	0.19	1.10
-273M	27	1.0	0.21	1.05
-333M	33	1.0	0.24	0.981
-393M	39	1.0	0.32	0.850
-473M	47	1.0	0.36	0.801
-563M	56	1.0	0.47	0.701
-683M	68	1.0	0.52	0.667
-823M	82	1.0	0.69	0.579
-104M	100	1.0	0.79	0.541
-124M	120	1.0	0.84	0.524
-154M	150	1.0	0.89	0.510
-184M	180	1.0	1.45	0.399
-224M	220	1.0	1.65	0.374
-274M	270	1.0	2.31	0.316
-334M	330	1.0	2.62	0.297
-394M	390	1.0	2.94	0.280
-474M	470	1.0	4.18	0.235
-564M	560	1.0	4.67	0.222
-684M	680	1.0	5.73	0.201
-824M	820	1.0	6.54	0.188
-105M	1000	1.0	9.44	0.156
SERIES SPD74R FERRITE CORE & SLEEVE				
-122M	1.2	100	0.025	4.40
-242M	2.4	100	0.03	4.00
-352M	3.5	100	0.034	3.70
-472M	4.7	100	0.038	3.50
-682M	6.8	100	0.042	3.40
-103M	10	100	0.049	2.50
-123M	12	1.0	0.058	2.40
-153M	15	1.0	0.081	2.30
-183M	18	1.0	0.091	2.15
-223M	22	1.0	0.11	2.00
-273M	27	1.0	0.15	1.70
-333M	33	1.0	0.17	1.50
-393M	39	1.0	0.23	1.35
-473M	47	1.0	0.26	1.30
-563M	56	1.0	0.35	1.10
-683M	68	1.0	0.38	1.05
-823M	82	1.0	0.43	1.00
-104M	100	1.0	0.61	0.86
-124M	120	1.0	0.66	0.84
-154M	150	1.0	0.88	0.70
-184M	180	1.0	0.98	0.68
-224M	220	1.0	1.17	0.60
-274M	270	1.0	1.64	0.53
-334M	330	1.0	1.86	0.50
-394M	390	1.0	2.85	0.40
-474M	470	1.0	3.01	0.39
-564M	560	1.0	3.62	0.36
-684M	680	1.0	4.63	0.32
-824M	820	1.0	5.2	0.30
-105M	1000	1.0	6.0	0.28

*Complete part # must include series # PLUS the dash #

DELEVAN™
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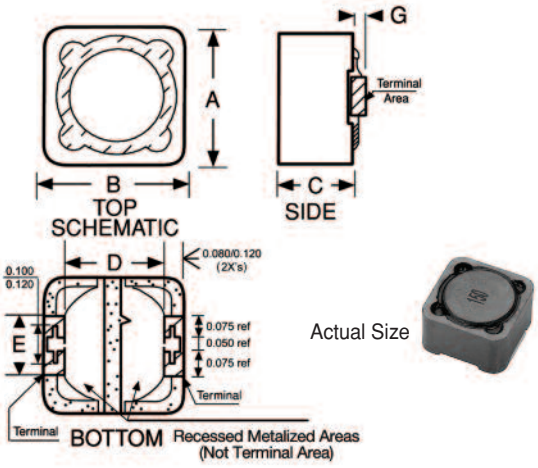
SERIES SPD125R SPD127R

RoHS Compliant

Traditional First Quality

Shielded Surface Mount Inductors



Actual Size

Top

Bottom

Physical Parameters

	Inches	Millimeters
A	0.472 ± 0.032	12.0 ± 0.8
B	0.472 ± 0.032	12.0 ± 0.8
C	0.236 Max.	6.0 Max. (Series SPD125)
	0.315 Max.	8.0 Max. (Series SPD127)
D	0.300 ± 0.020	7.6 ± 0.5
E	0.198 ± 0.020	5.0 ± 0.5
F	0.086 ± 0.020	2.18 ± 0.5
G	0.015 Ref. only	0.38 Ref. only
H	0.075 Ref. only	1.91 Ref. only
I	0.198 Ref. only	5.03 Ref. only

Mechanical Configuration Units designed for surface mounting; ferrite core and ferrite sleeve

Operating temperature range –55°C to +125°C

Application Frequency Range
Values 2.2µH to 10µH to 1.0 MHz Min.
Values above 10µH to 300 kHz Min.

Current Rating at 25°C Ambient The maximum DC current that will cause a 40°C maximum temperature rise and where the inductance will not decrease by more than 10% from its zero DC value

Marking For values lower than 10 µH the R indicates a decimal point and the remaining digits indicate the inductance in µH. For values 10 µH and above, the first two digits indicate the inductance in µH and the third digit indicates the number of trailing zeros where a zero indicates that there are no trailing zeros.

Example: SPD125R-222M (2.2 µH)
2R2

Example: SPD127R-105M (1,000 µH)
102

Packaging Tape & reel (24mm):
13" reel, 500 pieces max.; 7" reel not available

Note: No vias and traces in restricted area.

DASH NUMBER*	INDUCTANCE (µH) ±20%	TEST FREQUENCY (kHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING TYPICAL (AMPS)
SERIES SPD125R FERRITE CORE & SLEEVE				
-222M	2.2	100	0.020	7.00
-332M	3.3	100	0.030	5.50
-472M	4.7	100	0.040	5.00
-682M	6.8	100	0.050	4.50
-103M	10	100	0.055	4.00
-123M	12	1.0	0.060	3.50
-153M	15	1.0	0.065	3.30
-183M	18	1.0	0.070	3.00
-223M	22	1.0	0.075	2.80
-273M	27	1.0	0.085	2.30
-333M	33	1.0	0.095	2.10
-393M	39	1.0	0.105	2.00
-473M	47	1.0	0.115	1.80
-563M	56	1.0	0.135	1.60
-683M	68	1.0	0.170	1.50
-823M	82	1.0	0.190	1.40
-104M	100	1.0	0.210	1.30
-124M	120	1.0	0.250	1.10
-154M	150	1.0	0.300	1.00
-184M	180	1.0	0.350	0.90
-224M	220	1.0	0.420	0.80
-274M	270	1.0	0.510	0.75
-334M	330	1.0	0.600	0.70
-394M	390	1.0	0.750	0.65
-474M	470	1.0	0.820	0.60
-564M	560	1.0	1.000	0.55
-684M	680	1.0	1.300	0.50
-824M	820	1.0	1.650	0.45
-105M	1000	1.0	2.000	0.40
SERIES SPD127R FERRITE CORE & SLEEVE				
-222M	2.2	100	0.015	8.50
-332M	3.3	100	0.018	7.50
-472M	4.7	100	0.022	6.80
-682M	6.8	100	0.030	6.20
-103M	10	100	0.040	5.40
-123M	12	1.0	0.045	4.90
-153M	15	1.0	0.048	4.50
-183M	18	1.0	0.052	3.90
-223M	22	1.0	0.055	3.60
-273M	27	1.0	0.060	3.40
-333M	33	1.0	0.065	3.00
-393M	39	1.0	0.080	2.80
-473M	47	1.0	0.100	2.50
-563M	56	1.0	0.120	2.30
-683M	68	1.0	0.140	2.10
-823M	82	1.0	0.170	1.90
-104M	100	1.0	0.220	1.70
-124M	120	1.0	0.250	1.60
-154M	150	1.0	0.320	1.40
-184M	180	1.0	0.360	1.30
-224M	220	1.0	0.390	1.20
-274M	270	1.0	0.520	1.10
-334M	330	1.0	0.620	1.00
-394M	390	1.0	0.750	0.90
-474M	470	1.0	0.980	0.80
-564M	560	1.0	1.150	0.75
-684M	680	1.0	1.220	0.70
-824M	820	1.0	1.400	0.65
-105M	1000	1.0	1.540	0.62

*Complete part # must include series # PLUS the dash #

DELEVAN™
A REGAL REXNORD BRAND

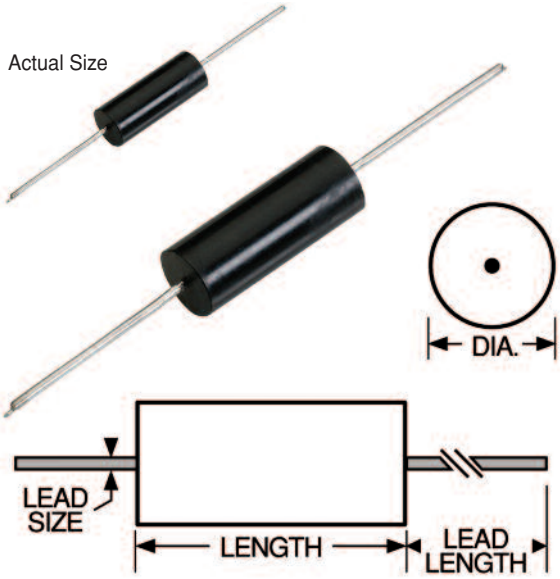
SERIES 2256R 2256

RoHS Compliant

Traditional First Quality

Axial Lead Power Choke

Actual Size



Mechanical Configuration Units are axial leaded encapsulated in an epoxy molded case.

Physical Parameters

	Inches	Millimeters	
Length	0.550 to 0.570	14.00 to 14.48	
Diameter	0.205 to 0.225	5.21 to 5.72	
Lead Size			
AWG #21 TCW		0.026 to 0.030	0.66 to 0.76
Lead Length		1.25 Min.	31.75 Min.

Operating Temperature –55°C to +125°C

Current Rating at 80°C Ambient 45°C Rise

Maximum Power Dissipation at 80°C 0.44 W

Incremental Current The current at which the inductance will be decreased by a maximum of 5% from its initial zero DC value.

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 2256-16J

Front:	Reverse:
DELEVAN	0920B
18uH±5%	

Packaging Tape & reel: 12" reel, 1000 pieces max.; 14" reel, 1500 pieces max.

Made in the U.S.A.

Optional Tolerances: K = 10% J = 5%

*Complete part # must include series # PLUS the dash #

DASH NUMBER*	INDUCTANCE @ 1 kHz (µH) ±15%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (AMPS)	INCREMENTAL CURRENT (AMPS)
SERIES 2256 FERRITE CORE				
-221L	0.22	0.0080	7.00	7.00
-271L	0.27	0.0085	6.75	6.75
-331L	0.33	0.0090	6.50	6.50
-391L	0.39	0.0095	6.25	6.25
-471L	0.47	0.0100	6.00	6.00
-561L	0.56	0.0105	5.80	5.80
-681L	0.68	0.0110	5.70	5.70
-821L	0.82	0.0120	5.60	5.60
-01L	1.00	0.013	5.50	5.50
-02L	1.20	0.018	4.69	4.69
-03L	1.50	0.020	4.45	4.45
-04L	1.80	0.021	4.34	4.34
-05L	2.20	0.029	3.70	3.70
-06L	2.70	0.034	3.41	3.41
-07L	3.30	0.038	3.23	3.23
-08L	3.90	0.042	3.07	3.07
-09L	4.70	0.047	2.90	2.90
-10L	5.60	0.051	2.79	2.79
-11L	6.80	0.058	2.61	2.61
-12L	8.20	0.063	2.51	2.51
-13L	10.0	0.071	2.36	2.36
-14L	12.0	0.079	2.24	2.24
-15L	15.0	0.089	2.11	2.11
-16L	18.0	0.119	1.82	1.82
-17L	22.0	0.152	1.61	1.61
-18L	27.0	0.179	1.48	1.48
-19L	33.0	0.222	1.33	1.33
-20L	39.0	0.315	1.12	1.12
-21L	47.0	0.362	1.04	1.04
-22L	56.0	0.397	1.00	1.00
-23L	68.0	0.418	0.97	0.97
-24L	82.0	0.604	0.81	0.81
-25L	100	0.672	0.76	0.76
-26L	120	0.735	0.73	0.73
-27L	150	0.913	0.63	0.63
-28L	180	1.370	0.53	0.53
-29L	220	1.580	0.50	0.50
-30L	270	1.770	0.47	0.47
-31L	330	2.510	0.39	0.39
-32L	390	2.730	0.38	0.38
-33L	470	3.250	0.35	0.35
-34L	560	3.750	0.33	0.33
-35L	680	4.310	0.30	0.30
-36L	820	6.040	0.26	0.26
-37L	1000	6.900	0.24	0.24
-38L	1200	10.00	0.200	0.200
-39L	1500	12.50	0.178	0.178
-40L	1800	16.00	0.157	0.157
-41L	2200	20.00	0.141	0.141
-42L	2700	23.00	0.131	0.131
-43L	3300	25.00	0.126	0.126
-44L	3900	33.00	0.110	0.110
-45L	4700	37.00	0.103	0.103
-46L	5600	40.00	0.100	0.100
-47L	6800	62.00	0.080	0.080
-48L	8200	66.00	0.077	0.077
-49L	10000	74.00	0.071	0.071
-50L	12000	93.00	0.065	0.065
-51L	15000	105.0	0.061	0.061
-52L	18000	143.0	0.052	0.052
-53L	22000	160.0	0.050	0.050

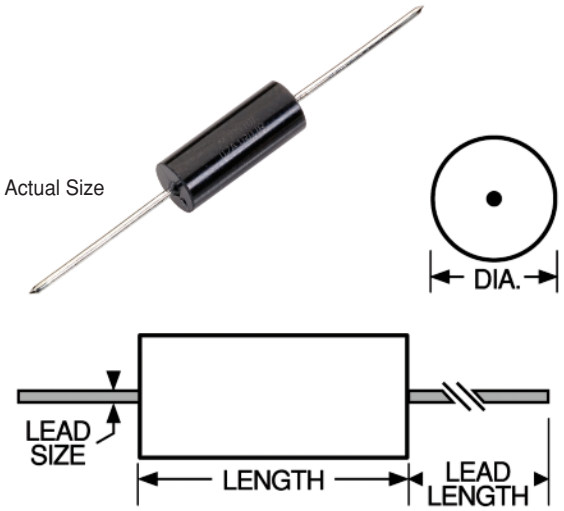
DELEVAN™ A REGAL REXNORD BRAND

SERIES 2474R 2474

RoHS Compliant

Traditional First Quality

Axial Lead Power Inductors



Mechanical Configuration Units are axial leaded for thru-hole mounting, encapsulated in an epoxy molded case. High resistivity ferrite core, allows for high inductance with low DC resistance.

Physical Parameters

	Inches	Millimeters
Length	0.740 ± 0.010	18.80 ± 0.25
Diameter	0.240 ± 0.010	6.10 ± 0.25
Lead Size		
AWG #20 TCW	0.032 ± 0.002	0.813 ± 0.051
Lead Length	1.44 ± 0.12	36.58 ± 3.05

Operating Temperature Range –55°C to +125°C

Current Rating 40°C Rise over 85°C Ambient

Maximum Power Dissipation at 85°C 0.50 W

Inductance Measured at 0.3V (open curcuit) with no DC current.

Incremental Current The current at which the inductance will be decreased by a maximum of 5% from its initial zero DC value.

Weight Max. (Grams) 2.5

Marking DELEVAN; inductance with units and tolerance; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: 2474R-02K

Front:	Reverse:
DELEVAN	0902A
1.2uH±10%	

Packaging Tape & reel: 12" reel, 1000 pieces max.; 14" reel, 1500 pieces max. For additional packaging options, see technical section.

Made in the U.S.A.

DASH NUMBER*	INDUCTANCE @ 1 kHz (µH) ±15%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (AMPS)	INCREMENTAL CURRENT (AMPS)
SERIES 2474 FERRITE CORE				
-01L	1.0	0.009	6.27	6.4
-02L	1.2	0.010	5.95	5.8
-03L	1.5	0.011	5.67	5.2
-04L	1.8	0.012	5.43	4.8
-05L	2.2	0.013	5.22	4.3
-06L	2.7	0.014	5.03	3.9
-07L	3.3	0.016	4.70	3.5
-08L	3.9	0.017	4.56	3.2
-09L	4.7	0.022	4.01	2.9
-10L	5.6	0.024	3.84	2.7
-11L	6.8	0.026	3.69	2.5
-12L	8.2	0.028	3.55	2.2
-13L	10.0	0.033	3.27	2.0
-14L	12.0	0.037	3.09	1.8
-15L	15.0	0.040	2.97	1.6
-16L	18.0	0.044	2.84	1.5
-17L	22.0	0.050	2.66	1.4
-18L	27.0	0.070	2.25	1.2
-19L	33.0	0.075	2.17	1.1
-20L	39.0	0.084	2.05	1.0
-21L	47.0	0.104	1.84	0.93
-22L	56.0	0.130	1.65	0.85
-23L	68.0	0.145	1.56	0.77
-24L	82.0	0.152	1.53	0.71
-25L	100.0	0.208	1.30	0.64
-26L	120.0	0.283	1.12	0.58
-27L	150.0	0.330	1.04	0.52
-28L	180.0	0.362	0.99	0.48
-29L	220.0	0.505	0.84	0.43
-30L	270.0	0.557	0.80	0.39
-31L	330.0	0.650	0.74	0.35
-32L	390.0	0.770	0.68	0.32
-33L	470.0	1.03	0.59	0.29
-34L	560.0	1.14	0.56	0.27
-35L	680.0	1.50	0.49	0.25
-36L	820.0	1.98	0.42	0.22
-37L	1000.0	2.30	0.39	0.20
-38L	1200.0	2.55	0.37	0.18
-39L	1500.0	3.00	0.34	0.16
-40L	1800.0	4.00	0.30	0.15
-41L	2200.0	4.40	0.28	0.14
-42L	2700.0	5.80	0.25	0.12
-43L	3300.0	6.56	0.23	0.11
-44L	3900.0	8.63	0.20	0.10
-45L	4700.0	10.1	0.19	0.09
-46L	5600.0	11.2	0.18	0.09
-47L	6800.0	15.0	0.15	0.08
-48L	8200.0	20.8	0.13	0.07
-49L	10000.0	23.4	0.12	0.06
-50L	12000.0	26.0	0.12	0.06
-51L	15000.0	36.0	0.10	0.05
-52L	18000.0	40.0	0.09	0.05

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

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DELEVAN™ A REGAL REXNORD BRAND

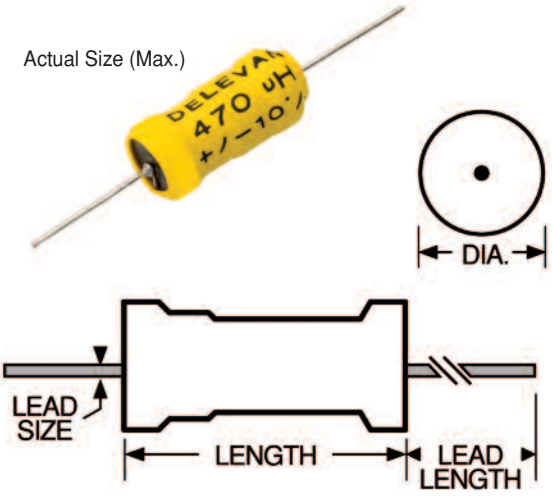
SERIES 4590R 4590

RoHS Compliant

Traditional First Quality

High Current Filter Inductors

Actual Size (Max.)



Physical Parameters

	Inches	Millimeters
Length	0.900 Max.	22.86 Max.
Diameter	0.455 Max.	11.55 Max.
Lead Size		
AWG #20 TCW	0.032 ± 0.002	0.813 ± 0.05
Lead Length	1.10 Min.	27.94 Min.

Operating Temperature
–55°C to +125°C
–55°C to +85°C @ full rated current

Current Rating at 85°C Ambient 40°C Rise

Maximum Power Dissipation at 85°C 0.70 W

Dielectric Withstanding Voltage 2500 V RMS

Incremental Current The current which will decrease the inductance by approximately 5%.

Inductance Measurement Inductance is measured @ 1 kHz with 1 VAC open circuit and 0 dc bias.

Inductance Tolerance Tolerance is specified by suffixing an alpha character to the part number as follows: J = 5%, K = 10%, and L = 15%. Units are normally supplied to the tolerance indicated in table.

High Saturation Bobbin allows for high inductance with low DCR.

High Resistivity Core offers very high parallel resistance, resulting in maximum coil performance.

4590 Marking DELEVAN; inductance; tolerance.

4590R Marking DELEVAN; 4590R; dash number with tolerance letter.

Example: 4590-393K

DELEVAN
39 uH
±10%

Example: 4590R-393K

DELEVAN
4590R
393K

Packaging Bulk only

DASH NUMBER*	NOMINAL INDUCTANCE (µH) ±10%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (AMPS)	INCREMENTAL CURRENT DC (AMPS)
SERIES 4590 FERRITE CORE				
-392K	3.9	0.007	9.75	8.2
-472K	4.7	0.008	9.11	7.5
-562K	5.6	0.011	7.77	6.9
-682K	6.8	0.011	7.60	6.3
-822K	8.2	0.013	7.15	5.7
-103K	10.0	0.016	6.44	5.2
-123K	12.0	0.018	6.07	4.7
-153K	15.0	0.020	5.76	4.3
-183K	18.0	0.022	5.49	3.9
-223K	22.0	0.024	5.26	3.5
-273K	27.0	0.025	5.15	3.2
-333K	33.0	0.028	4.87	2.9
-393K	39.0	0.031	4.63	2.7
-473K	47.0	0.034	4.45	2.5
-563K	56.0	0.043	3.93	2.3
-683K	68.0	0.059	3.355	2.1
-823K	82.0	0.066	3.175	1.9
-104K	100	0.084	2.815	1.7
-124K	120	0.113	2.43	1.6
-154K	150	0.129	2.27	1.4
-184K	180	0.150	2.105	1.3
-224K	220	0.162	2.025	1.2
-274K	270	0.226	1.715	1.1
-334K	330	0.257	1.61	0.95
-394K	390	0.288	1.52	0.88
-474K	470	0.393	1.30	0.80
-564K	560	0.504	1.15	0.74
-684K	680	0.570	1.08	0.67
-824K	820	0.643	1.015	0.61
-105K	1000	0.844	0.89	0.56
-125K	1200	0.977	0.825	0.51
-155K	1500	1.18	0.75	0.46
-185K	1800	1.50	0.665	0.42
-225K	2200	1.76	0.615	0.38
-275K	2700	2.13	0.56	0.34
-335K	3300	2.53	0.51	0.31
-395K	3900	2.84	0.48	0.29
-475K	4700	3.79	0.415	0.26
-565K	5600	4.24	0.395	0.24
-685K	6800	5.75	0.34	0.22
-825K	8200	6.44	0.32	0.20
-106K	10000	7.30	0.30	0.18
-126K	12000	9.34	0.265	0.17
-156K	15000	10.7	0.25	0.15
-186K	18000	14.8	0.21	0.14
-226K	22000	18.0	0.19	0.12
-276K	27000	22.7	0.17	0.11
-336K	33000	25.7	0.16	0.10
-396K	39000	29.7	0.15	0.09
-476K	47000	33.7	0.14	0.09
-566K	56000	38.0	0.13	0.08
-686K	68000	52.8	0.11	0.07
-826K	82000	67.3	0.10	0.07
-107K	100000	76.0	0.09	0.06

Optional Tolerances: J = 5% L = 15%

*Complete part # must include series # PLUS the dash #

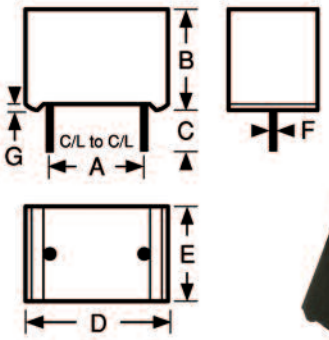
DELEVAN™
A REGAL REXNORD BRAND

SERIES 3443R 3443

RoHS Compliant

Traditional First Quality

Radial Lead Power Chokes



Actual Size (Max.)

Physical Parameters

	Inches	Millimeters
A	0.500 ± 0.015	12.72 ± 0.38
B	0.600 Max.	15.27 Max.
C	0.375 Min.	9.54 Min.
D	0.870 Max.	22.14 Max.
E	0.515 Max.	13.10 Max.
F**	0.040 ± 0.005	1.02 ± 0.13
G	0.030 Min.	0.76 Min.

**F= AWG #18 TCW

Current Rating Based on continuous operation at room temperature. Derating is required at elevated ambient temperatures in accordance with the derating curve.

Operating Temperature Range –55°C to +125°C

Maximum Power Dissipation at 25°C 2.2 W

Weight Max. (Grams) 12.0

Incremental Current 1) Current Level which causes a maximum of 10% decrease in inductance. **2)** The Incremental Current at ambient temperatures other than 25°C will be 70% of the adjusted current rating.

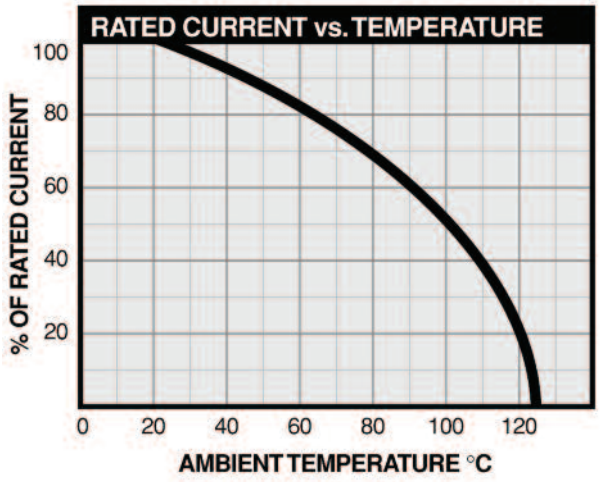
Marking DELEVAN; part number without the tolerance letter, inductance with units. Note: An R after 3443 indicates a RoHS component.

Example: 3443-00K
DELEVAN
3443-00
1uH

Packaging Bulk only

DASH NUMBER*	INDUCTANCE @ 1 kHz (µH) ±10%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (AMPS)	INCREMENTAL CURRENT DC (AMPS)
SERIES 3443 FERRITE CORE				
-00K	1.0	0.005	17.8	17.8
-04K	1.5	0.006	16.2	16.2
-08K	2.2	0.007	15.0	15.0
-12K	3.3	0.008	14.0	12.4
-16K	4.7	0.009	13.0	10.3
-20K	6.8	0.010	12.5	8.9
-24K	10.0	0.015	10.0	7.3
-28K	15.0	0.022	8.5	5.9
-32K	22.0	0.033	6.5	4.9
-36K	33.0	0.052	5.5	4.0
-40K	47.0	0.078	4.5	3.3
-44K	68.0	0.092	4.0	2.8
-48K	100.0	0.140	3.3	2.3
-50K	120.0	0.175	3.0	2.1
-52K	150.0	0.210	2.7	1.9
-56K	220.0	0.330	2.2	1.5
-58K	270.0	0.420	1.95	1.35
-60K	330.0	0.510	1.70	1.20
-64K	470.0	0.610	1.60	1.00
-68K	680.0	0.910	1.30	0.90
-72K	1000.0	1.40	1.00	0.73
-76K	1500.0	2.20	0.84	0.60
-80K	2200.0	3.30	0.69	0.49
-84K	3300.0	5.10	0.55	0.40
-88K	4700.0	7.70	0.45	0.34
-92K	6800.0	11.7	0.36	0.28
-94K	10000.0	14.2	0.33	0.23
-98K	15000.0	21.9	0.26	0.19

*Complete part # must include series # PLUS the dash #



For more detailed graphs, contact factory

DELEVAN™ A REGAL REXNORD BRAND

SERIES 5393R 5393

RoHS Compliant

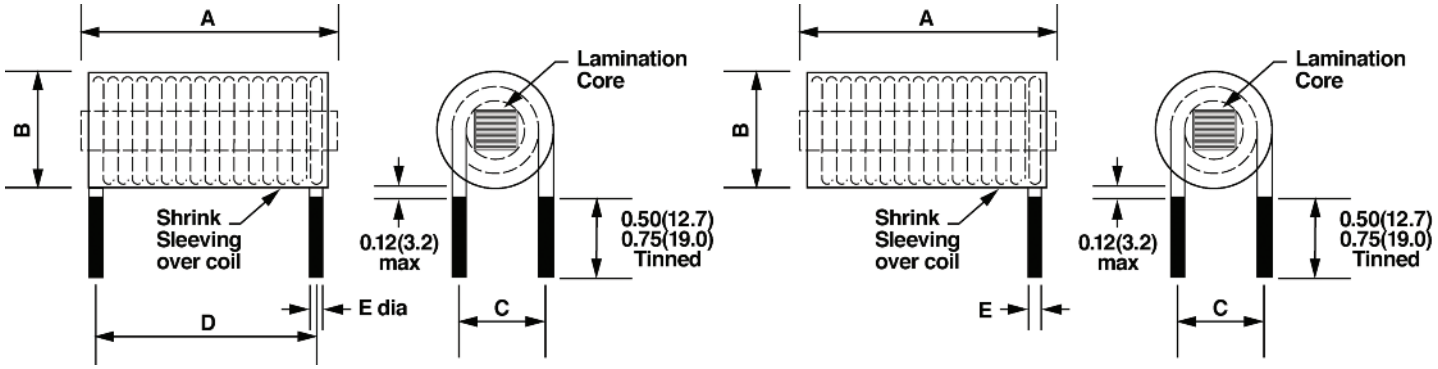
Traditional First Quality

High Current Radial Leaded Chokes

Shown Approximately at 50% of Actual Size

DASH NUMBER*	INDUCTANCE ±10% (µH @ 1.00 kHz)	DC RESISTANCE MAXIMUM (OHMS)	SELF RESONANT FREQUENCY MIN. (MHz)	CURRENT RATING MAXIMUM (A DC) MIN. (MHz)
SERIES 5393R AND 5393R				
-504K	500	0.050	0.8	15.0
-204K	200	0.021	1.2	20.0
-603K	60	0.0085	1.9	28.0
-154K	150	0.0130	2.1	30.0
-393K	39	0.0048	2.5	40.0
-923K	92	0.0075	2.9	45.0
-503K	50	0.0045	3.1	50.0
-243K	24	0.0025	5.7	60.0

*Complete part # must include series # PLUS the dash #



Physical Parameters in Inches (Millimeters)

dash number	Type	Typ. Weight (grams)	A(Max.)	B ±0.062 (1.57)	C ±0.062 (1.57)	D ±0.062 (1.57)	(E) Lead Diameter
-504K	1	305	2.45 (62.23)	1.45 (36.83)	0.980 (24.89)	1.95 (49.53)	0.082
-204K	2	310	2.45 (62.23)	1.45 (36.83)	0.980 (24.89)	-	0.102
-603K	2	160	2.45 (62.23)	1.02 (25.91)	0.770 (19.56)	-	0.102
-154K	2	470	2.45 (62.23)	1.65 (41.91)	1.080 (27.43)	-	0.129
-393K	2	210	2.45 (62.23)	1.15 (29.21)	0.820 (20.83)	-	0.129
-923K	2	650	2.55 (64.77)	1.92 (48.77)	1.210 (24.89)	-	0.162
-503K	1	420	2.55 (64.77)	1.57 (39.88)	1.050 (26.67)	2.10 (53.34)	0.162
-243K	2	270	2.45 (62.23)	1.27 (32.26)	0.890 (22.61)	-	0.162

Operating Temperature Range -55°C to +125°C
(-55°C to +75°C @ full current)

Current Rating at 75°C Ambient 50°C Temperature Rise

Maximum Power Dissipation at +85°C 1.166 Watts Maximum

Inductance Measured @ 1 kHz with 0 ADC on Wayne Kerr 3245A, or equivalent.

Incremental Current The amount of DC that decreases the inductance by 10% maximum relative to the 0 ADC.

Dielectric Withstanding Voltage 2500 Vrms Minimum winding to outside cover 1/4" from winding edge

Marking Delevan, 5393 or 5393R, dash number (per table) and inductance tolerance letter

Leads Solder coated to within 1/8 inch of body

Mechanical Configuration Self leaded terminals, coated coil, shrink sleeve encapsulated

Packaging Bulk only

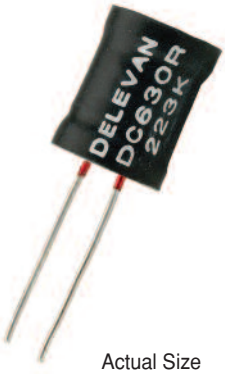
DELEVAN™
A REGAL REXNORD BRAND

SERIES DC630R DC630

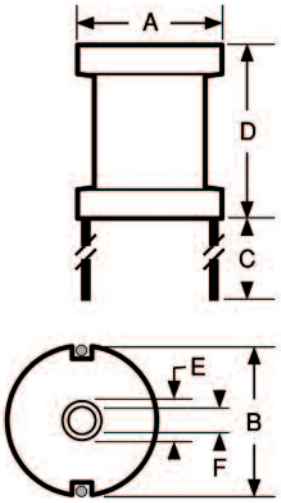
RoHS Compliant

Traditional First Quality

High Current Power Line Chokes



Actual Size



Physical Parameters

	Inches	Millimeters
A	0.630 ± 0.030	16.0 ± 0.762
B (C/L to C/L)	See Characteristics table	
C	0.750 Min.	19.05 Min.
D	0.810 ± 0.020	20.57 ±0.508
E (Ref. only)	0.195 Max.	4.95 Max.
F	Clearance Hole for 4/40 Screw	

Leads Tinned to within 1/16" of Body

Inductance
Measured @ 10 KHz, 25mAdc and 0 Adc @ 25°C

Mechanical Configuration Center hole allows for mechanical mounting

Operating Temperature
–55°C to +125°C;
–55°C to +80°C @ full rated current

Current Rating at 80°C Ambient 45°C Rise

Incremental Current Minimum current which causes a 5% max. change in Inductance

Power Dissipation at 80°C 1.00 Watts Max.

Dielectric Withstanding Voltage 1000 V RMS Min.

Marking DELEVAN; DC630; dash number with tolerance letter. Note: An R after DC630 indicates a RoHS component.

Example: DC630-102M
DELEVAN
DC630
102M

Packaging Bulk only

DASH NUMBER*	NOMINAL INDUCTANCE (µH)	TOLERANCE	MAXIMUM (OHMS) @ 25°C DC RESISTANCE	CURRENT RATING MAXIMUM (A DC)	INCREMENTAL CURRENT (A DC)	DIMENSION B (Inches, Reference)	LEAD DIAMETER (Inches, Reference)
SERIES DC630							
-102M	1.0	± 20%	0.003	14.00	68.0	0.490	0.051
-152M	1.5	± 20%	0.004	13.50	55.5	0.490	0.051
-222M	2.2	± 20%	0.005	12.80	46.0	0.490	0.051
-272M	2.7	± 20%	0.005	12.80	42.0	0.490	0.051
-332M	3.3	± 20%	0.005	12.80	38.0	0.490	0.051
-392M	3.9	± 20%	0.006	12.30	34.5	0.490	0.051
-472M	4.7	± 20%	0.007	11.70	31.5	0.490	0.051
-562M	5.6	± 20%	0.007	11.70	29.0	0.490	0.051
-682M	6.8	± 20%	0.008	10.50	26.0	0.490	0.051
-822M	8.2	± 20%	0.009	10.00	24.0	0.490	0.051
-103K	10.0	± 10%	0.010	9.50	21.5	0.490	0.051
-123K	12.0	± 10%	0.011	9.10	19.5	0.490	0.051
-153K	15.0	± 10%	0.015	8.09	17.5	0.470	0.045
-183K	18.0	± 10%	0.020	7.00	16.0	0.460	0.040
-223K	22.0	± 10%	0.025	6.26	14.5	0.460	0.040
-273K	27.0	± 10%	0.030	5.72	13.2	0.440	0.036
-333K	33.0	± 10%	0.040	4.95	11.9	0.430	0.032
-393K	39.0	± 10%	0.050	4.43	10.9	0.420	0.029
-473K	47.0	± 10%	0.062	3.98	10.0	0.480	0.029
-563K	56.0	± 10%	0.069	3.77	9.20	0.480	0.029
-683K	68.0	± 10%	0.077	3.57	8.30	0.480	0.029
-823K	82.0	± 10%	0.083	3.44	7.60	0.480	0.029
-104K	100	± 10%	0.095	3.21	6.80	0.480	0.029
-124K	120	± 10%	0.100	3.12	6.20	0.480	0.029
-154K	150	± 10%	0.111	2.97	5.60	0.480	0.029
-184K	180	± 10%	0.125	2.80	5.10	0.480	0.029
-224K	220	± 10%	0.168	2.42	4.60	0.470	0.025
-274K	270	± 10%	0.225	2.09	4.20	0.450	0.023
-334K	330	± 10%	0.315	1.72	3.80	0.450	0.020
-394K	390	± 10%	0.342	1.66	3.40	0.480	0.020
-474K	470	± 10%	0.377	1.58	3.10	0.480	0.020
-564K	560	± 10%	0.408	1.52	2.90	0.480	0.020
-684K	680	± 10%	0.468	1.42	2.60	0.480	0.020

*Complete part # must include series # PLUS the dash #

DELEVAN™
A REGAL REXNORD BRAND

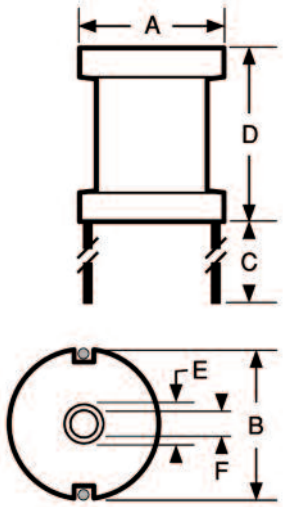
SERIES DC780R DC780

RoHS Compliant

Traditional First Quality

High Current Power Line Chokes

Actual Size



Physical Parameters

	Inches	Millimeters
A	0.775 ± 0.025	19.6 ± 0.6
B (C/L to C/L)	See Characteristics table	
C	0.750 Min.	19.05 Min.
D	0.815 ± 0.015	20.7 ±.4
E (Ref. only)	0.195 Max.	4.95 Max.
F	Clearance Hole for 4/40 Screw	

Leads Tinned to within 1/16" of Body

Inductance Measured @ 1 KHz with 0 Amps dc

Mechanical Configuration Center hole allows for mechanical mounting; insulated bobbins.

Operating Temperature
–55°C to +125°C;
–55°C to +80°C @ full rated current

Current Rating at 80°C Ambient 45°C Rise

Incremental Current Minimum current which causes a 5% max. change in Inductance

Power Dissipation at 80°C 1.400 Watts Max.

Dielectric Withstanding Voltage 1000 V RMS Min.

Marking DELEVAN; DC780; dash number with tolerance letter. Note: An R after DC780 indicates a RoHS component.

Example: DC780R-103K
DELEVAN
DC780R
103K

Packaging Bulk only

**Internal Bobbin may be green or black.*

DASH NUMBER*	NOMINAL INDUCTANCE (µH)	TOLERANCE	MAXIMUM (OHMS) @ 25°C DC RESISTANCE	MAXIMUM (A DC) CURRENT RATING	INCREMENTAL CURRENT (A DC)	DIMENSION B (Inches, Reference)	LEAD DIAMETER (Inches, Reference)
SERIES DC780							
-102L	1.0	± 15%	0.003	11.4	110.0	0.620	0.051
-122L	1.2	± 15%	0.003	11.4	108.0	0.620	0.051
-152L	1.5	± 15%	0.003	11.4	89.0	0.620	0.051
-182L	1.8	± 15%	0.003	11.4	81.0	0.620	0.051
-222L	2.2	± 15%	0.004	11.4	73.0	0.620	0.051
-272L	2.7	± 15%	0.005	11.4	66.0	0.620	0.051
-332L	3.3	± 15%	0.005	11.4	60.0	0.620	0.051
-392L	3.9	± 15%	0.005	11.4	55.0	0.620	0.051
-472L	4.7	± 15%	0.005	11.4	50.0	0.620	0.051
-562L	5.6	± 15%	0.006	11.4	46.0	0.620	0.051
-682L	6.8	± 15%	0.007	11.4	42.0	0.620	0.051
-822L	8.2	± 15%	0.007	11.4	38.0	0.620	0.051
-103K	10.0	± 10%	0.009	11.4	34.5	0.620	0.051
-123K	12.0	± 10%	0.009	11.4	31.5	0.620	0.051
-153K	15.0	± 10%	0.013	9.0	28.2	0.625	0.045
-183K	18.0	± 10%	0.018	7.2	25.7	0.630	0.045
-223K	22.0	± 10%	0.019	7.2	23.3	0.630	0.045
-273K	27.0	± 10%	0.026	5.5	21.0	0.546	0.040
-333K	33.0	± 10%	0.029	5.5	19.0	0.546	0.036
-393K	39.0	± 10%	0.030	5.5	17.5	0.594	0.036
-473K	47.0	± 10%	0.035	5.5	15.9	0.625	0.036
-563K	56.0	± 10%	0.039	5.5	14.6	0.625	0.036
-683K	68.0	± 10%	0.053	4.8	13.2	0.656	0.036
-823K	82.0	± 10%	0.060	4.8	12.1	0.656	0.036
-104K	100	± 10%	0.080	4.0	10.9	0.593	0.036
-124K	120	± 10%	0.090	4.0	10.0	0.593	0.036
-154K	150	± 10%	0.098	4.0	8.9	0.593	0.032
-184K	180	± 10%	0.110	4.0	8.1	0.593	0.032
-224K	220	± 10%	0.150	2.8	7.4	0.593	0.029
-274K	270	± 10%	0.213	2.0	6.6	0.562	0.025
-334K	330	± 10%	0.305	1.6	6.0	0.590	0.025
-394K	390	± 10%	0.320	1.6	5.5	0.590	0.025
-474K	470	± 10%	0.355	1.6	5.0	0.590	0.025
-564K	560	± 10%	0.388	1.6	4.6	0.590	0.023
-684K	680	± 10%	0.430	1.6	4.2	0.590	0.023
-824K	820	± 10%	0.590	1.3	3.8	0.590	0.023
-105K	1,000	± 10%	0.818	1.0	3.5	0.590	0.020
-125K	1,200	± 10%	1.140	0.8	3.2	0.590	0.018
-155K	1,500	± 10%	1.260	0.8	2.8	0.590	0.018
-185K	1,800	± 10%	1.390	0.8	2.6	0.590	0.018
-225K	2,200	± 10%	1.540	0.8	2.3	0.590	0.018

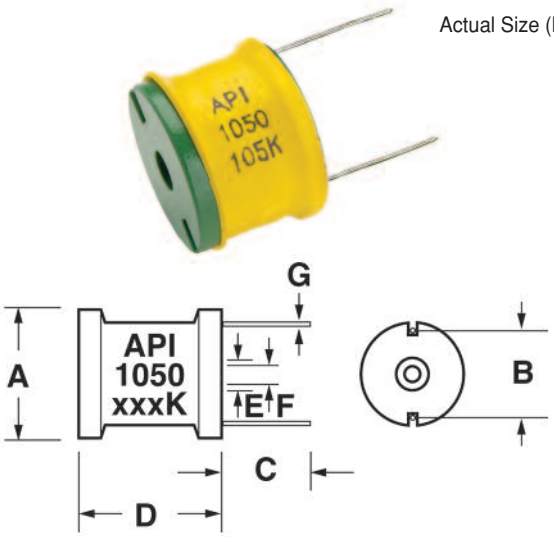
*Complete part # must include series # PLUS the dash #

SERIES DC1050R DC1050

RoHS Compliant

Traditional First Quality

High Current Power Line Chokes



DASH NUMBER*	INDUCTANCE (µH) ±10% @ 1.00 kHz	DC RESISTANCE MAXIMUM (OHMS) @ 25°C	CURRENT RATING MAXIMUM (A DC)	INCREMENTAL CURRENT (A DC)	LEAD DIAMETER (Inches, Reference)
SERIES DC1050 and DC1050R					
-104K	100	0.034	7.5	9.0	0.046
-124K	120	0.046	6.5	8.0	0.040
-154K	150	0.064	5.5	7.0	0.040
-184K	180	0.072	5.1	6.5	0.040
-224K	220	0.080	4.8	6.0	0.040
-274K	270	0.110	4.2	5.0	0.036
-334K	330	0.122	4.0	4.5	0.036
-394K	390	0.169	3.4	4.0	0.032
-474K	470	0.187	3.2	3.8	0.032
-564K	560	0.205	3.0	3.5	0.032
-684K	680	0.256	2.7	3.0	0.029
-824K	820	0.288	2.5	2.8	0.029
-105K	1000	0.426	2.1	2.5	0.029
-125K	1200	0.462	2.0	2.2	0.026
-155K	1500	0.518	1.9	2.0	0.026
-185K	1800	0.705	1.6	1.8	0.026
-225K	2200	1.020	1.4	1.5	0.023
-275K	2700	1.140	1.3	1.4	0.023
-335K	3300	1.270	1.2	1.3	0.023
-395K	3900	1.670	1.1	1.2	0.020
-475K	4700	1.860	1.0	1.0	0.020

*Complete part # must include series # PLUS the dash #

Physical Parameters

	Inches	Millimeters
A	1.080 to 1.180	27.44 to 29.98
B	0.770 Reference (all except -104K)	19.56 Reference
	0.810 Reference (-104K only)	20.75 Reference
C	0.750 Minimum	19.05 Minimum
D	0.840 Maximum	21.34 Maximum
E	0.240 Reference	6.10 Reference
F	0.200 Reference	5.08 Reference
G	See Table	

Operating Temperature Range –55°C to +125°C; (–55°C to +80°C @ full current)

Current Rating at 80° Ambient 45°C Temperature Rise

Maximum Power Dissipation at +80°C 2.20 Watts Maximum

Inductance Measured @ 1 kHz with 0 ADC on Wayne Kerr 3245A, or equivalent

Leads Solder coated within 1/16" of Body

Incremental Current The amount of DC that decreases the inductance by 5% maximum, relative to the 0 ADC

Dielectric Withstanding Voltage 1000 Vrms Minimum

Mechanical Configuration Center hole allows for mounting

Marking API, 1050 or 1050R, dash number (per table) and inductance tolerance letter

API
1050
xxxK

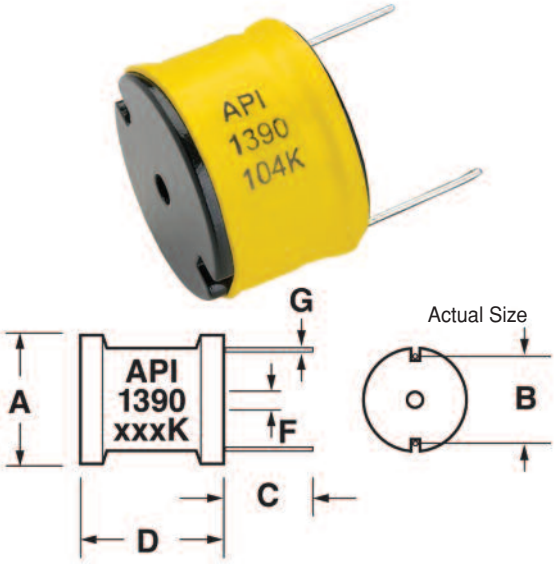
Packaging Bulk only

SERIES DC1390R DC1390

RoHS Compliant

Traditional First Quality

High Current Power Line Chokes



Physical Parameters

	Inches	Millimeters
A	1.400 to 1.480	35.56 to 37.60
B	1.150 Reference	29.21 Reference
C	0.750 Minimum	19.05 Minimum
D	1.064 Maximum	27.03 Maximum
F	0.200 Reference	5.08 Reference
G	See Table	

Operating Temperature Range -55°C to +125°C; (-55°C to +80°C @ full current)

Current Rating at 80° Ambient 45°C Temperature Rise

Maximum Power Dissipation at +80°C 3.30 Watts Maximum

Inductance Measured @ 1 kHz with 0 ADC on Wayne Kerr 3245A, or equivalent

Leads Solder coated to within 1/16" of Body

Incremental Current The amount of DC that decreases the inductance by 5% maximum, relative to the 0 ADC

Dielectric Withstanding Voltage 1000 Vrms Minimum

Mechanical Configuration Center hole allows for mounting

Marking API, 1390 or 1390R, dash number (per table) and inductance tolerance letter

API
1390
xxxK

Packaging Bulk only

DASH NUMBER*	INDUCTANCE (µH) ±10% @ 1.00 kHz	MAXIMUM (OHMS) @ 25°C DC RESISTANCE	CURRENT RATING MAXIMUM (A DC)	INCREMENTAL CURRENT (A DC)	LEAD DIAMETER (Inches, Reference)
SERIES DC1390 and DC1390R					
-153K	15.0	0.006	19.9	33.3	0.081
-183K	18.0	0.008	17.3	30.4	0.081
-223K	22.0	0.009	16.3	28.0	0.081
-273K	27.0	0.010	15.4	25.9	0.081
-333K	33.0	0.011	14.7	22.6	0.081
-393K	39.0	0.012	14.1	21.2	0.081
-473K	47.0	0.018	11.5	20.0	0.072
-563K	56.0	0.019	11.2	17.5	0.072
-683K	68.0	0.021	10.7	16.3	0.064
-823K	82.0	0.023	10.2	14.9	0.064
-104K	100	0.025	9.76	13.2	0.064
-124K	120	0.028	9.23	12.3	0.064
-154K	150	0.040	7.72	10.8	0.057
-184K	180	0.045	7.28	9.86	0.057
-224K	220	0.050	6.90	9.09	0.057
-274K	270	0.056	6.52	8.05	0.057
-334K	330	0.074	5.67	7.37	0.051
-394K	390	0.082	5.39	6.80	0.051
-474K	470	0.114	4.57	6.20	0.046
-564K	560	0.125	4.37	5.69	0.046
-684K	680	0.139	4.14	5.11	0.046
-824K	820	0.154	3.93	4.70	0.046
-105K	1000	0.216	3.32	4.24	0.041
-125K	1200	0.232	3.21	3.87	0.041
-155K	1500	0.324	2.71	3.45	0.036
-185K	1800	0.360	2.57	3.14	0.036
-225K	2200	0.494	2.20	2.86	0.032
-275K	2700	0.555	2.07	2.58	0.032
-335K	3300	0.773	1.76	2.33	0.029
-395K	3900	0.845	1.68	2.14	0.029

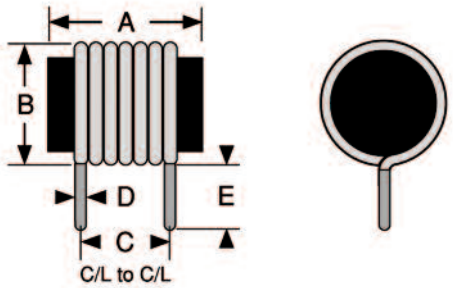
*Complete part # must include series # PLUS the dash #

SERIES HCR HC

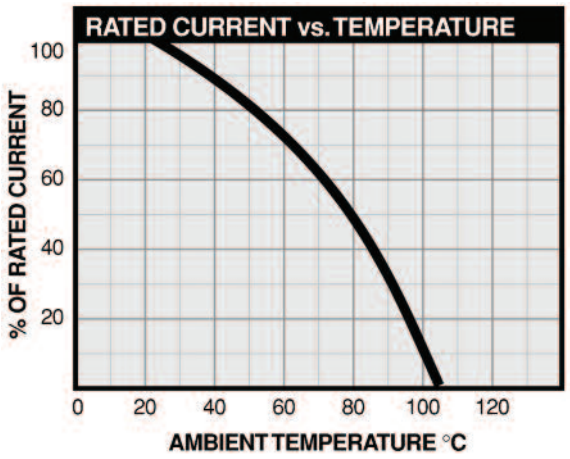
RoHS Compliant

Traditional First Quality

High Current Filter Chokes



Actual Size (Max.)



Current Rating based on continuous operation at room temperature ambient. Derating is required at elevated ambient temperatures in accordance with the derating curve. For more detailed graphs, contact factory

PART NUMBER*	INDUCTANCE (µH) ± 10% @ 1kHz**	CURRENT RATING MAXIMUM (Amps)	DC RESISTANCE MAX. (OHMS)	INCREMENTAL CURRENT (AMPS) ***	DIMENSIONS Inches [Millimeters] A (Max.)	B (Max.)	C ± 0.062 inches [± 1.59mm]	D ± 0.005 inches [± 0.13mm]
SERIES HC FERRITE CORE								
3HC-5	5	3	0.015	19	0.875 [22.23]	0.625 [15.88]	0.500 [12.70]	0.042 [1.07]
3HC-10	10	3	0.018	17	1.125 [28.58]	0.625 [15.88]	0.687 [17.45]	0.042 [1.07]
3HC-27	27	3	0.035	15	0.875 [22.23]	0.812 [20.62]	0.437 [11.10]	0.042 [1.07]
3HC-50	50	3	0.050	12	1.125 [28.58]	0.812 [20.62]	0.750 [19.05]	0.042 [1.07]
3HC-100	100	3	0.065	8	1.125 [28.58]	0.812 [20.62]	0.937 [23.80]	0.042 [1.07]
3HC-150	150	3	0.075	5	1.375 [34.93]	0.812 [20.62]	1.062 [26.97]	0.042 [1.07]
3HC-200	200	3	0.080	4	1.625 [41.28]	0.812 [20.62]	1.050 [26.67]	0.042 [1.07]
3HC-250	250	3	0.090	3	1.625 [41.28]	0.812 [20.62]	1.312 [33.32]	0.042 [1.07]
3HC-500	500	3	0.130	1	1.625 [41.28]	0.950 [24.13]	0.990 [25.15]	0.042 [1.07]
5HC-5	5	5	0.012	20	0.875 [22.23]	0.640 [16.26]	0.750 [19.05]	0.053 [1.35]
5HC-10	10	5	0.015	18	1.125 [28.58]	0.640 [16.26]	1.000 [25.40]	0.053 [1.35]
5HC-27	27	5	0.025	15	0.875 [22.23]	0.875 [22.23]	0.562 [14.27]	0.053 [1.35]
5HC-50	50	5	0.030	10	1.125 [28.58]	0.875 [22.23]	0.750 [19.05]	0.053 [1.35]
5HC-68	68	5	0.035	9	1.125 [28.58]	0.875 [22.23]	0.875 [22.23]	0.053 [1.35]
5HC-100	100	5	0.050	7	1.375 [34.93]	0.875 [22.23]	1.000 [25.40]	0.053 [1.35]
5HC-150	150	5	0.060	5	1.625 [41.28]	0.875 [22.23]	1.250 [31.75]	0.053 [1.35]
5HC-250	250	5	0.075	3	1.625 [41.28]	1.100 [27.94]	0.900 [22.86]	0.053 [1.35]
10HC-5	5	10	0.010	19	1.125 [28.58]	0.687 [17.45]	0.812 [20.62]	0.065 [1.65]
10HC-10	10	10	0.012	17	1.375 [34.93]	0.687 [17.45]	1.218 [30.94]	0.065 [1.65]
10HC-15	15	10	0.015	16	1.625 [41.28]	0.687 [17.45]	1.415 [35.94]	0.065 [1.65]
10HC-27	27	10	0.018	15	1.125 [28.58]	0.937 [23.80]	0.687 [17.45]	0.065 [1.65]
10HC-50	50	10	0.025	9	1.375 [34.93]	0.937 [23.80]	0.937 [23.80]	0.065 [1.65]
10HC-68	68	10	0.027	9	1.375 [34.93]	0.937 [23.80]	1.125 [28.58]	0.065 [1.65]
10HC-100	100	10	0.030	6	1.625 [41.28]	0.937 [23.80]	1.312 [33.32]	0.065 [1.65]
15HC-5	5	15	0.008	20	1.375 [34.93]	0.725 [18.42]	0.937 [23.80]	0.082 [2.08]
15HC-10	10	15	0.010	17	1.687 [42.85]	0.725 [18.42]	1.500 [38.10]	0.082 [2.08]
15HC-27	27	15	0.015	14	1.375 [34.93]	1.000 [25.40]	0.937 [23.80]	0.082 [2.08]
15HC-50	50	15	0.020	9	1.625 [41.28]	1.000 [25.40]	1.125 [28.58]	0.082 [2.08]
15HC-100	100	15	0.030	5	1.625 [41.28]	1.500 [38.10]	1.312 [33.32]	0.082 [2.08]

*Complete part # must include series # PLUS the dash #

Dimension E
1.0 inches ± 1⁄16 inches; 25.4mm ± 1.59mm

Notes
** Inductance measured with zero DC current.
*** Incremental current reduces inductance by 10% or less. Average current must not exceed specified rated current.

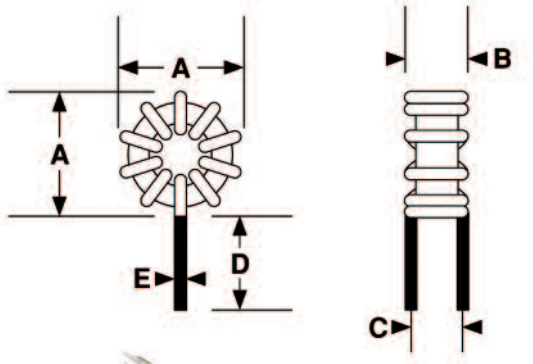
Packaging Bulk only

SERIES HTPT66R HTPT66

RoHS Compliant

Traditional First Quality

High Temperature Power Toroids



Actual Size (Max.)

Physical Parameters

	Inches	Millimeters
A	0.660 Max.	16.76 Max.
B	0.360 Max.	9.14 Max.
C	0.280 (Ref. only)	7.11 (Ref. only)
D	1.00 Min.	25.4 Min.
E	See Characteristics Table	

Operating Temperature Range

-55°C to +200°C

-55°C to +160°C @ full rated current. All Materials are rated to +200°C.

Current Rating at 160°C Ambient 40°C Rise

Inductance Measured @ 25mA AC with no DC current. Inductance at +200°C is typically 5.5% lower than inductance measured at +25°C.

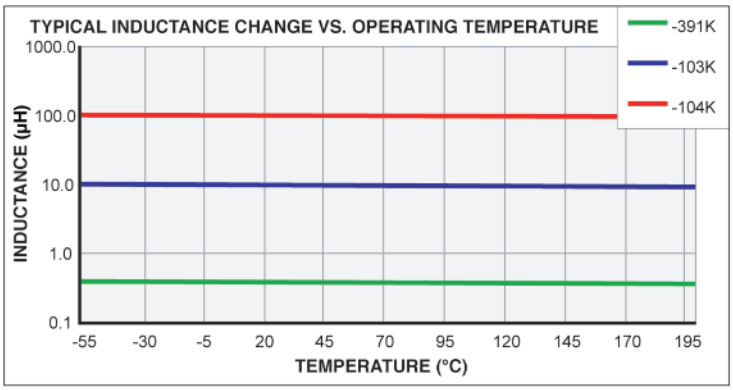
Incremental Current The current at which the inductance will be decreased by a maximum of 10% from its initial 0 DC value. At elevated temperatures incremental current is unaffected.

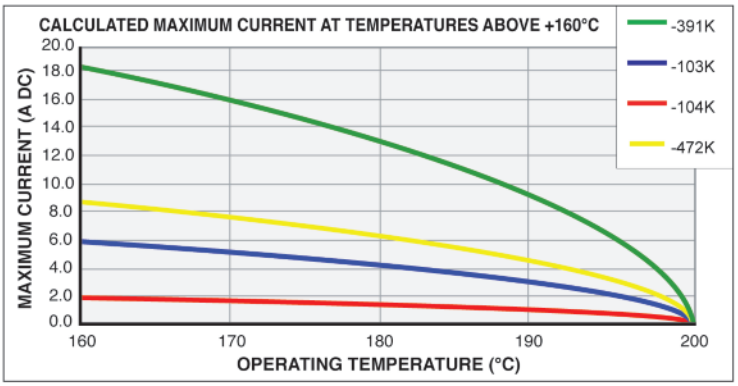
Packaging Bulk only

Contact the Factory for additional sizes, mounting, and electrical configurations.

DASH NUMBER*	INDUCTANCE (µH) ±10% @ 1 kHz	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (A DC)	INCREMENTAL CURRENT (A DC)	DIMENSION E NOMINAL (Inches)
SERIES HTPT66 IRON CORE					
-391K	0.390	0.0020	18.3	26.6	0.053
-122K	1.20	0.0029	15.3	14.8	0.053
-152K	1.50	0.0036	13.7	13.3	0.053
-472K	4.70	0.0086	8.8	7.4	0.042
-103K	10.0	0.019	5.9	5.1	0.034
-153K	15.0	0.030	4.6	4.3	0.031
-223K	22.0	0.036	4.0	4.0	0.031
-393K	39.0	0.073	2.8	3.0	0.025
-683K	68.0	0.122	2.1	2.3	0.022
-104K	100	0.145	1.9	1.8	0.022

*Complete part # must include series # PLUS the dash #





Charts are for reference only. Operation should be verified under actual operating conditions to avoid component operation above +200°C.

DELEVAN™ A REGAL REXNORD BRAND

SERIES PTxxxR PT

RoHS Compliant

Traditional First Quality

Power Toroids - Horizontal or Vertical Mount

Inductance tested at 1 kHz, <10 gauss and 0 ADC

DC Resistance at 25°C

Rated Idc based on 40°C maximum rise from 25°C ambient with 0 Arms

Windings single layered to maximize operating frequency and minimize board space

Self leads solder coated to within 0.050" of seating plane

Other values available on request

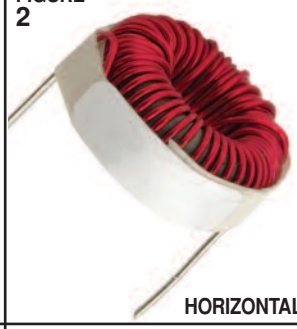
Packaging Bulk only

Mounting Standard mounting is self-lead radial per Figure "1". Optional mounting methods are self-leaded horizontal per Figure "2" or vertical base mounted per Figures "3" and "4".

FIGURE 1

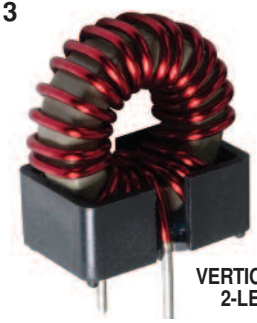
STANDARD VERTICAL

FIGURE 2



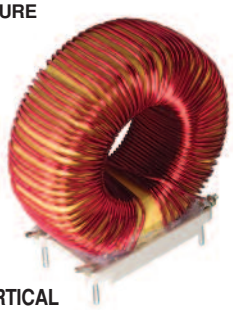
HORIZONTAL

FIGURE 3



VERTICAL 2-LEAD

FIGURE 4



VERTICAL 4-LEAD

*Complete part # must include series # PLUS the dash #

DASH NUMBER*	IND. (µH) ±15% @ 1 kHz	DCR MAXIMUM (OHMS)	RATED IDC (AMPS)	MOUNTING AVAILABLE: FIG. "1" STANDARD VERTICAL	FIG. "2" HORIZONTAL	FIG. "3" 2-LEAD VERTICAL	FIG. "4" 4-LEAD VERTICAL
PT SERIES POWER TOROIDS							
PT5-530	5	0.015	6.1	•	•	•	
PT5-700	5	0.012	7.4	•	•	•	
PT5-800	5	0.010	10.6	•	•	•	
PT5-1000	5	0.008	12.8	•	•		
PT10-530	10	0.020	4.9	•	•	•	
PT10-680	10	0.015	6.8	•	•	•	
PT10-820	10	0.010	9.3	•	•	•	
PT10-990	10	0.008	13.2	•	•		
PT25-680	25	0.035	4.4	•	•	•	
PT25-800	25	0.025	6.6	•	•	•	
PT25-900	25	0.020	7.0	•	•	•	
PT25-1000	25	0.014	10.4	•	•		
PT50-780	50	0.050	3.8	•	•	•	
PT50-900	50	0.030	5.6	•	•	•	
PT50-1020	50	0.025	7.0	•	•	•	
PT50-1320	50	0.020	11.0	•	•		
PT75-900	75	0.060	3.9	•	•	•	
PT75-980	75	0.040	5.2	•	•	•	
PT75-1260	75	0.035	7.4	•	•	•	
PT75-1550	75	0.025	10.6	•	•		
PT100-1000	100	0.080	3.5	•	•	•	
PT100-1100	100	0.050	5.1	•	•	•	
PT100-1260	100	0.035	7.8	•	•	•	
PT100-1550	100	0.028	10.3	•	•		
PT150-1040	150	0.100	3.4	•	•	•	
PT150-1250	150	0.060	5.7	•	•	•	
PT150-1500	150	0.050	7.7	•	•		•
PT150-2050	150	0.040	12.3	•	•		
PT250-1200	250	0.130	3.8	•	•	•	
PT250-1500	250	0.080	6.1	•	•		•
PT250-1800	250	0.055	9.1	•	•		
PT300-1200	300	0.150	3.3	•	•	•	
PT300-1500	300	0.100	5.5	•	•		•
PT300-1750	300	0.075	7.3	•	•		
PT400-1200	400	0.250	2.4	•	•	•	
PT400-1500	400	0.180	4.7	•	•		•
PT400-1750	400	0.110	6.0	•	•		•
PT500-1450	500	0.220	3.4	•	•		•
PT500-1750	500	0.160	5.0	•	•		•
PT500-2000	500	0.090	8.0	•	•		
PT750-1400	750	0.350	2.6	•	•		•
PT750-1700	750	0.280	3.7	•	•		•
PT750-2050	750	0.150	6.4	•	•		•
PT1000-1400	1000	0.620	1.8	•	•		•
PT1000-1750	1000	0.420	3.1	•	•		•
PT1000-2050	1000	0.200	5.9	•	•		•

Notes to Figure 5 (Page 100) The PT Toroid Series inductance is specified at AC and DC signal levels which have no significant effect on the permeability of the powdered iron toroidal core. Superimposed AC and DC voltages will change the permeability and therefore the inductance, under operating conditions. Typically, DC currents will reduce the inductance, while AC signals will increase the inductance up to a point, before beginning to decrease. Supporting information is provided, detailing the AC or DC effects upon each part. Saturation resulting from DC currents is specified with waveform having less than a 1% ripple content. When considering the AC waveform, both the frequency and voltage level must be taken into account. As an aid in defining what effect the alternating sine wave signal will have, the voltage/frequency factor curve can be used. To determine what change of inductance can be expected at a given voltage level and frequency, simply divide the sinusoidal RMS voltage by the frequency. The voltage is in volts and the frequency is in hertz. As an example, if using part number PT25-680 at a 1VRMS signal level, and a frequency of 25KHz, the voltage/frequency factor is calculated to be: 1VRMS/25,000Hz = 40 x 10–6. Referring to the graph, a 39% increase in inductance would be expected.

Notes to Figure 6 (Page 100) Typical saturation effects as a function of DC flowing through the part. Data is representative of a DC waveform with less than 1% ripple, and an AC waveform less than 10 gauss.

Note This information is intended to be used in assisting the designer in part selection. Each operating application may contain other variables which must be considered in part selection; such as temperature effects, waveform distortion, etc.…
Delevan Sales/Engineering staff is available to provide information as needed to fit each application.

PT SERIES (continued)

Power Toroids

PART NUMBER	ELECTRICAL: IND.(µH) ± 15% @ 1 kHz	ELECTRICAL: DCR MAX. (OHMS)	ELECTRICAL: RATED IDC (Amps)	PHYSICAL PARAMETERS: A Max. Inches	A Max. mm	B Max. Inches	B Max. mm	C Nominal Inches	C Nominal mm	D Min. Inches	D Min. mm	E Nominal Inches	E Nominal mm	F Nominal Inches	F Nominal mm
SERIES PT IRON CORE															
PT5-530	5	0.015	6.1	0.53	13.46	0.23	5.84	0.17	4.32	0.50	12.7	0.025	0.64	0.450	11.43
PT5-700	5	0.012	7.4	0.70	17.78	0.33	8.38	0.24	6.10	0.50	12.7	0.032	0.81	0.600	15.24
PT5-800	5	0.010	10.6	0.80	20.32	0.36	9.14	0.31	7.87	0.50	12.7	0.040	1.02	0.720	18.30
PT5-1000	5	0.008	12.8	1.00	25.40	0.40	10.16	0.34	8.64	0.50	12.7	0.051	1.30	0.950	24.13
PT10-530	10	0.020	4.9	0.53	13.46	0.23	5.84	0.17	4.32	0.50	12.7	0.025	0.64	0.450	11.43
PT10-680	10	0.015	6.8	0.68	17.27	0.33	8.38	0.24	6.10	0.50	12.7	0.032	0.81	0.600	15.24
PT10-820	10	0.010	9.3	0.82	20.83	0.37	9.40	0.29	7.37	0.50	12.7	0.040	1.02	0.720	18.30
PT10-990	10	0.008	13.2	0.99	25.15	0.40	10.16	0.34	8.64	0.50	12.7	0.051	1.30	0.950	24.13
PT25-680	25	0.035	4.4	0.68	17.27	0.37	9.40	0.29	7.37	0.50	12.7	0.025	0.64	0.580	14.73
PT25-800	25	0.025	6.6	0.80	20.32	0.35	8.89	0.28	7.11	0.50	12.7	0.032	0.81	0.700	17.78
PT25-900	25	0.020	7.0	0.90	22.86	0.40	10.16	0.30	7.62	0.50	12.7	0.040	1.02	0.820	20.83
PT25-1000	25	0.014	10.4	1.00	25.40	0.40	10.16	0.37	9.40	0.50	12.7	0.051	1.30	0.950	24.13
PT50-780	50	0.050	3.8	0.78	19.81	0.36	9.14	0.27	6.86	0.50	12.7	0.025	0.64	0.680	17.27
PT50-900	50	0.030	5.6	0.90	22.86	0.38	9.65	0.30	7.62	0.50	12.7	0.032	0.81	0.790	20.07
PT50-1020	50	0.025	7.0	1.02	25.91	0.62	15.75	0.43	10.92	0.50	12.7	0.040	1.02	0.920	23.37
PT50-1320	50	0.020	11.0	1.32	33.53	0.63	16.00	0.53	13.46	0.50	12.7	0.051	1.30	1.220	30.99
PT75-900	75	0.060	3.9	0.90	22.86	0.36	9.14	0.29	7.37	0.50	12.7	0.025	0.64	0.770	19.56
PT75-980	75	0.040	5.2	0.98	24.89	0.38	9.65	0.30	7.62	0.50	12.7	0.032	0.81	0.890	22.61
PT75-1260	75	0.035	7.4	1.26	32.00	0.60	15.24	0.49	12.45	0.50	12.7	0.040	1.02	1.200	30.48
PT75-1550	75	0.025	10.6	1.55	39.37	0.64	16.26	0.53	13.46	0.50	12.7	0.051	1.30	1.500	38.10
PT100-1000	100	0.080	3.5	1.00	25.40	0.36	9.14	0.29	7.37	0.50	12.7	0.025	0.64	0.880	22.35
PT100-1100	100	0.050	5.1	1.10	27.94	0.50	12.70	0.42	10.67	0.50	12.7	0.032	0.81	0.890	22.61
PT100-1260	100	0.035	7.8	1.26	32.00	0.60	15.24	0.49	12.45	0.50	12.7	0.040	1.02	1.200	30.48
PT100-1550	100	0.028	10.3	1.55	39.37	0.64	16.26	0.53	13.46	0.50	12.7	0.051	1.30	1.500	38.10
PT150-1040	150	0.100	3.4	1.04	26.42	0.50	12.70	0.41	10.41	0.50	12.7	0.025	0.64	0.880	22.35
PT150-1250	150	0.060	5.7	1.25	31.75	0.58	14.73	0.48	12.19	0.50	12.7	0.032	0.81	1.160	29.46
PT150-1500	150	0.050	7.7	1.50	38.10	0.62	15.75	0.50	12.70	0.50	12.7	0.040	1.02	1.420	36.07
PT150-2050	150	0.040	12.3	2.05	52.07	0.92	23.37	0.80	20.32	0.50	12.7	0.051	1.30	2.000	50.80
PT250-1200	250	0.130	3.8	1.20	30.48	0.55	13.97	0.49	12.45	0.50	12.7	0.025	0.64	1.200	30.48
PT250-1500	250	0.080	6.1	1.50	38.10	0.60	15.24	0.50	12.70	0.50	12.7	0.036	0.91	1.450	36.83
PT250-1800	250	0.055	9.1	1.80	45.72	0.77	19.56	0.69	17.53	0.50	12.7	0.051	1.30	1.750	44.45
PT300-1200	300	0.150	3.3	1.20	30.48	0.55	13.97	0.48	12.19	0.50	12.7	0.025	0.64	1.200	30.48
PT300-1500	300	0.100	5.5	1.50	38.10	0.60	15.24	0.51	12.95	0.50	12.7	0.032	0.81	1.400	35.56
PT300-1750	300	0.075	7.3	1.75	44.45	0.76	19.30	0.65	16.51	0.50	12.7	0.045	1.14	1.750	44.45
PT400-1200	400	0.250	2.4	1.20	30.48	0.55	13.97	0.48	12.19	0.50	12.7	0.020	0.51	1.150	29.21
PT400-1500	400	0.180	4.7	1.50	38.10	0.60	15.24	0.50	12.70	0.50	12.7	0.025	0.64	1.400	35.56
PT400-1750	400	0.110	6.0	1.75	44.45	0.78	19.81	0.70	17.78	0.50	12.7	0.040	1.02	1.750	44.45
PT500-1450	500	0.220	3.4	1.45	36.83	0.58	14.73	0.50	12.70	0.50	12.7	0.025	0.64	1.400	35.56
PT500-1750	500	0.160	5.0	1.75	44.45	0.75	19.05	0.62	15.75	0.50	12.7	0.036	0.91	1.700	43.18
PT500-2000	500	0.090	8.0	2.05	52.07	0.88	22.35	0.76	19.30	0.50	12.7	0.045	1.14	2.000	50.80
PT750-1400	750	0.350	2.6	1.40	35.56	0.55	13.97	0.48	12.19	0.50	12.7	0.020	0.51	1.400	35.56
PT750-1700	750	0.280	3.7	1.70	43.18	0.70	17.78	0.62	15.75	0.50	12.7	0.025	0.64	1.660	42.16
PT750-2050	750	0.150	6.4	2.05	52.07	0.85	21.59	0.78	19.81	0.50	12.7	0.036	0.91	2.000	50.80
PT1000-1400	1000	0.620	1.8	1.40	35.56	0.55	13.97	0.48	12.19	0.50	12.7	0.016	0.41	1.360	34.54
PT1000-1750	1000	0.420	3.1	1.75	44.45	0.70	17.78	0.62	15.75	0.50	12.7	0.025	0.64	1.660	42.16
PT1000-2050	1000	0.200	5.9	2.05	52.07	0.85	21.59	0.78	19.81	0.50	12.7	0.032	0.81	2.000	50.80

Note: Vertical configuration is standard; add suffix “HM” for horizontal mounting

FIGURE 1: STANDARD VERTICAL MOUNT

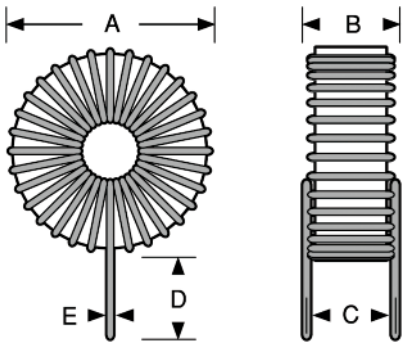
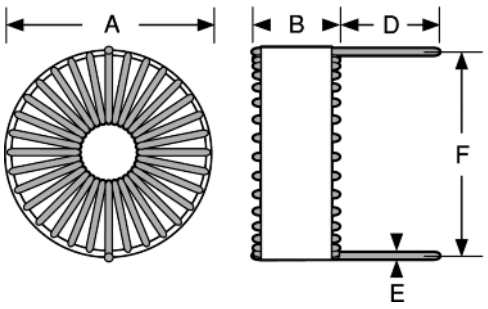


FIGURE 2: HORIZONTAL MOUNT



PT SERIES (continued)

Power Toroids

PART NUMBER	ELECTRICAL IND.(µH) ± 15% @ 1 kHz	ELECTRICAL DCR MAX. (OHMS)	ELECTRICAL RATED IDC (Amps)	PHYSICAL PARAMETERS FIGURE#	A Max. Inches	A Max. mm	B Max. Inches	B Max. mm	C Typical Inches	C Typical mm	D Typical Inches	D Typical mm	E Max. Inches	E Max. mm	F Typical Inches	F Typical mm
SERIES PT VERTICAL MOUNT IRON CORE																
PT5-530-VM	5	0.015	6.1	3	0.580	14.73	0.340	8.64	0.220	5.59	0.025	0.63	0.640	16.26	0.290	7.37
PT5-700-VM	5	0.012	7.4	3	0.650	16.51	0.450	11.43	0.300	7.62	0.032	0.81	0.810	20.57	0.325	8.25
PT5-800-VM	5	0.010	10.6	3	0.830	21.08	0.450	11.43	0.300	7.62	0.040	1.02	0.910	23.11	0.415	10.54
PT10-530-VM	10	0.020	4.9	3	0.580	14.73	0.340	8.64	0.220	5.59	0.025	0.63	0.640	16.26	0.290	7.37
PT10-680-VM	10	0.015	6.8	3	0.650	16.51	0.450	11.43	0.300	7.62	0.032	0.81	0.790	20.07	0.325	8.25
PT10-820-VM	10	0.010	9.3	3	0.830	21.08	0.450	11.43	0.300	7.62	0.040	1.02	0.930	23.62	0.415	10.54
PT25-680-VM	25	0.035	4.4	3	0.650	16.51	0.450	11.43	0.300	7.62	0.025	0.63	0.790	20.07	0.325	8.25
PT25-800-VM	25	0.025	6.6	3	0.830	21.08	0.450	11.43	0.300	7.62	0.032	0.81	0.910	23.11	0.415	10.54
PT25-900-VM	25	0.020	7.0	3	0.950	24.13	0.600	15.24	0.450	11.43	0.040	1.02	1.010	25.65	0.475	12.06
PT50-780-VM	50	0.050	3.8	3	0.830	21.08	0.450	11.43	0.300	7.62	0.025	0.63	0.890	22.61	0.415	10.54
PT50-900-VM	50	0.030	5.6	3	0.830	21.08	0.450	11.43	0.300	7.62	0.032	0.81	1.110	28.19	0.415	10.54
PT50-1020-VM	50	0.025	7.0	3	1.250	31.75	0.700	17.78	0.500	12.70	0.040	1.02	1.130	28.70	0.625	15.87
PT75-900-VM	75	0.060	3.9	3	0.950	24.13	0.600	15.24	0.450	11.43	0.025	0.63	1.010	25.65	0.475	12.06
PT75-980-VM	75	0.040	5.2	3	0.950	24.13	0.600	15.24	0.450	11.43	0.032	0.81	1.090	27.69	0.475	12.06
PT75-1260-VM	75	0.035	7.4	3	1.250	31.75	0.700	17.78	0.500	12.70	0.040	1.02	1.390	35.31	0.625	15.87
PT100-1000-VM	100	0.080	3.5	3	0.950	24.13	0.600	15.24	0.450	11.43	0.025	0.63	1.130	28.70	0.475	12.06
PT100-1100-VM	100	0.050	5.1	3	0.950	24.13	0.600	15.24	0.450	11.43	0.032	0.81	1.230	31.24	0.475	12.06
PT100-1260-VM	100	0.035	7.8	3	1.250	31.75	0.700	17.78	0.500	12.70	0.040	1.02	1.390	35.31	0.625	15.87
PT150-1040-VM	150	0.100	3.4	3	0.950	24.13	0.600	15.24	0.450	11.43	0.025	0.63	1.170	29.72	0.475	12.06
PT150-1250-VM	150	0.060	5.7	3	1.250	31.75	0.700	17.78	0.500	12.70	0.032	0.81	1.380	35.05	0.625	15.87
PT150-1500-VM	150	0.050	7.7	4	1.500	38.10	0.800	20.32	0.600	15.24	0.050	1.27	1.630	41.40	0.900	22.86
PT250-1200-VM	250	0.130	3.8	3	1.250	31.75	0.700	17.78	0.500	12.70	0.025	0.63	1.330	33.78	0.625	15.87
PT250-1500-VM	250	0.080	6.1	4	1.500	38.10	0.800	20.32	0.600	15.24	0.050	1.27	1.630	41.40	0.900	22.86
PT300-1200-VM	300	0.150	3.3	3	1.250	31.75	0.700	17.78	0.500	12.70	0.025	0.63	1.330	33.78	0.625	15.87
PT300-1500-VM	300	0.100	5.5	4	1.500	38.10	0.800	20.32	0.600	15.24	0.050	1.27	1.630	41.40	0.900	22.86
PT400-1200-VM	400	0.250	2.4	3	1.250	31.75	0.700	17.78	0.500	12.70	0.020	0.51	1.330	33.78	0.625	15.87
PT400-1500-VM	400	0.180	4.7	4	1.500	38.10	0.800	20.32	0.600	15.24	0.050	1.27	1.630	41.40	0.900	22.86
PT400-1750-VM	400	0.110	6.0	4	1.750	44.45	0.900	22.86	0.700	17.78	0.050	1.27	1.880	47.75	1.200	30.48
PT500-1450-VM	500	0.220	3.4	4	1.450	36.83	0.800	20.32	0.600	15.24	0.050	1.27	1.580	40.13	0.900	22.86
PT500-1750-VM	500	0.160	5.0	4	1.750	44.45	0.900	22.86	0.700	17.78	0.050	1.27	1.880	47.75	1.200	30.48
PT750-1400-VM	750	0.350	2.6	4	1.400	35.56	0.800	20.32	0.600	15.24	0.050	1.27	1.530	38.86	0.900	22.86
PT750-1700-VM	750	0.280	3.7	4	1.700	43.18	0.900	22.86	0.700	17.78	0.050	1.27	1.830	46.48	1.200	30.48
PT750-2050-VM	750	0.150	6.4	4	2.050	52.07	0.900	22.86	0.700	17.78	0.050	1.27	2.180	55.37	1.200	30.48
PT1000-1400-VM	1000	0.620	1.8	4	1.400	35.56	0.800	20.32	0.600	15.24	0.050	1.27	1.530	38.86	0.900	22.86
PT1000-1750-VM	1000	0.420	3.1	4	1.750	44.45	0.900	22.86	0.700	17.78	0.050	1.27	1.980	50.29	1.200	30.48
PT1000-2050-VM	1000	0.200	5.9	4	2.050	52.07	0.900	22.86	0.700	17.78	0.050	1.27	2.180	55.37	1.200	30.48

FIGURE 3: 2-LEAD VERTICAL BASE MOUNT

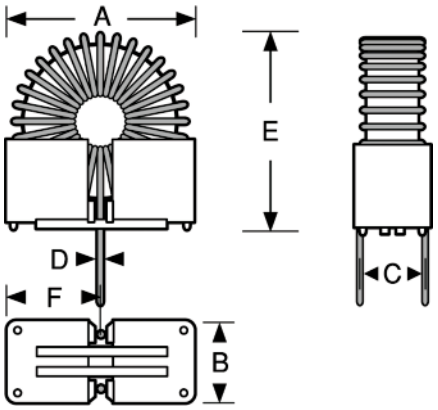
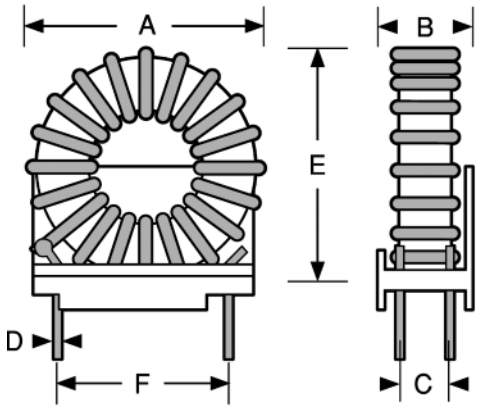


FIGURE 4: 4-LEAD VERTICAL BASE MOUNT

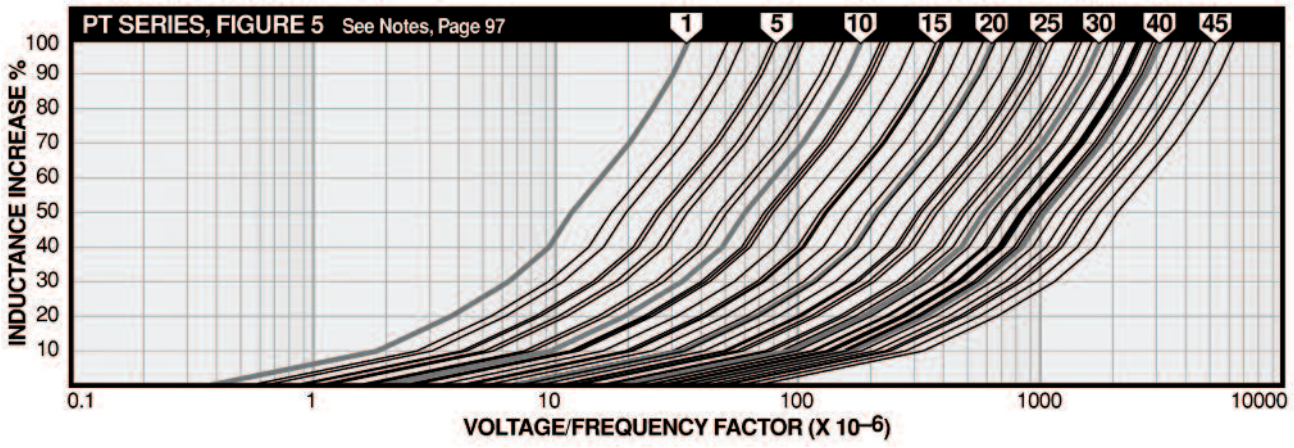


SERIES PTxxxR PT

RoHS Compliant

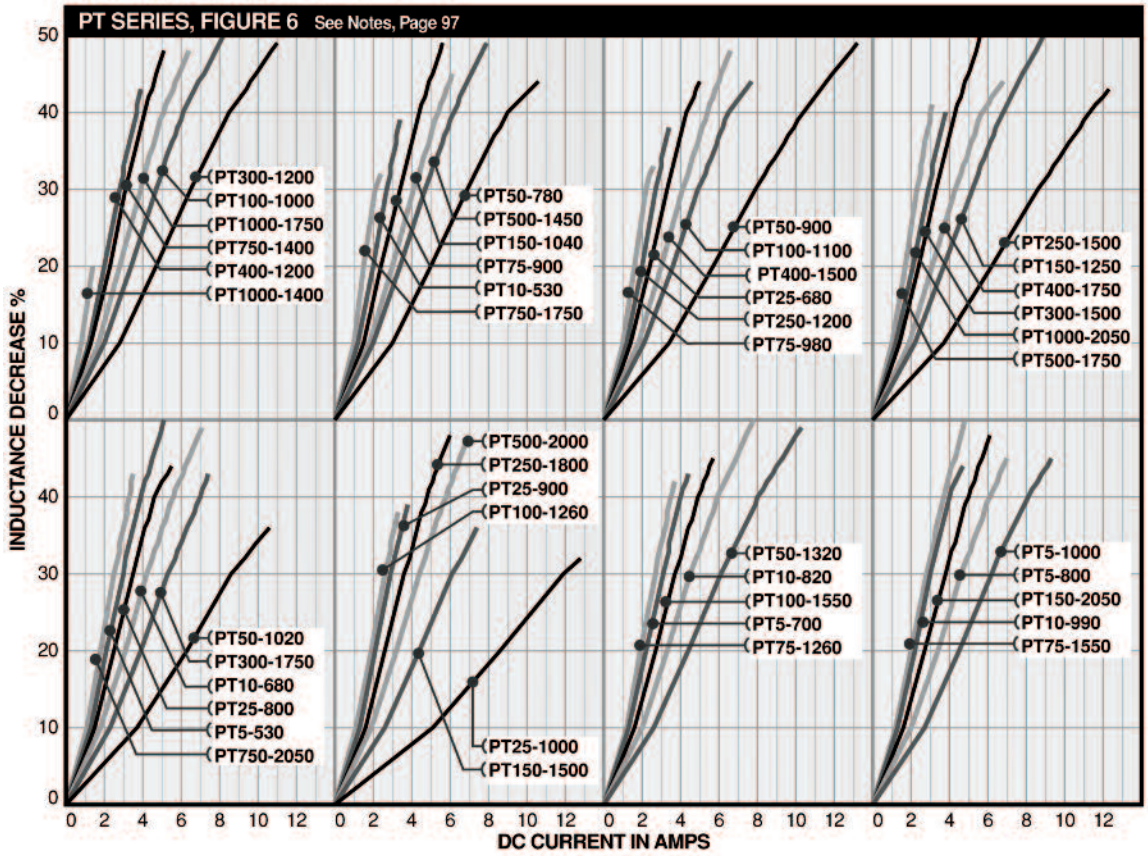
Traditional First Quality

Power Toroids - Horizontal or Vertical Mount



KEY TO FIGURE 5 CURVE NUMBERS Graphs apply to all mounting styles. For more detailed graphs, contact factory.

1) PT5-530	7) PT10-820	13) PT50-780	19) PT100-1100	25) PT100-1550	31) PT400-1200	37) PT500-1450	43) PT500-2000
2) PT10-530	8) PT10-990	14) PT50-900	20) PT50-1320	26) PT150-1250	32) PT300-1500	38) PT400-1750	44) PT1000-1750
3) PT5-700	9) PT25-680	15) PT75-900	21) PT150-1040	27) PT150-1500	33) PT400-1500	39) PT750-1400	45) PT750-2050
4) PT5-800	10) PT25-800	16) PT75-980	22) PT75-1260	28) PT250-1200	34) PT250-1800	40) PT500-1750	46) PT1000-2050
5) PT10-680	11) PT25-900	17) PT50-1020	23) PT100-1260	29) PT300-1200	35) PT150-2050	41) PT1000-1400	
6) PT5-1000	12) PT25-1000	18) PT100-1000	24) PT75-1550	30) PT250-1500	36) PT300-1750	42) PT750-1750	



For more detailed graphs, contact factory

DELEVAN™
A REGAL REXNORD BRAND

SERIES

PTHFxxxxR
PTKMxxxxR
PTHF
PTKM

RoHS Compliant

Traditional First Quality

Toroidal Power Chokes

Actual Size

Horizontal or Vertical Mounting

Excellent electromagnetic shielding

Applications Use Series PTHF for high DC saturation applications; use Series PTKM for low AC core loss applications.

DC Resistance at 25°C

Rated Idc based upon 40°C maximum rise from 90°C ambient with 0 Arms

Self Leads Solder coated along entire length

Mounting Toroids can be provided in a vertical or horizontal mount style. Suffix Part Number with "H" for horizontal mount.

dI Incremental Current is the value indicated in the table that will cause an approximate percentage drop in inductance

Marking DELEVAN and part number.

Example: PTHF50R-121
DELEVAN PTHF50R-121

Physical Parameters on Next Page

*Complete part # must include series # PLUS the dash #

PART NUMBER*	INDUCTANCE (µH) @ 1 kHz ±10%	RATED IDC (AMPS)	dI ADC ΔL 10%	dI ADC ΔL 20%	DC RESISTANCE MAXIMUM (OHMS)	SRF MINIMUM (MHz)
SERIES PTHF HIGH SATURATION CORE						
PTHF10-50	10	7.36	6.0	8.7	0.010	35.0
PTHF25-50	25	5.20	3.6	5.3	0.020	10.0
PTHF50-50	50	3.93	2.0	3.1	0.035	7.0
PTHF75-50	75	3.47	1.6	2.5	0.045	5.0
PTHF100-50	100	3.14	1.5	2.2	0.055	4.0
PTHF150-50	150	2.33	1.2	1.8	0.100	2.0
PTHF200-50	200	1.97	1.0	1.6	0.140	1.7
PTHF250-50	250	1.84	0.9	1.4	0.160	1.5
PTHF330-50	330	1.69	0.8	1.2	0.190	1.0
PTHF10-121	10	8.27	9.0	14.0	0.010	20.0
PTHF25-121	25	6.34	7.0	10.5	0.017	8.0
PTHF50-121	50	4.77	3.9	6.0	0.030	4.0
PTHF75-121	75	3.90	3.9	5.8	0.045	3.0
PTHF100-121	100	3.24	3.4	4.7	0.065	2.0
PTHF150-121	150	2.68	3.3	4.8	0.095	1.5
PTHF250-121	250	2.07	2.2	3.2	0.160	1.0
PTHF10-59	10	14.50	15.0	20.0	0.008	20.0
PTHF25-59	25	9.80	11.0	16.0	0.011	8.0
PTHF50-59	50	6.90	8.3	12.0	0.022	4.0
PTHF75-59	75	5.90	6.7	9.1	0.030	3.0
PTHF100-59	100	4.90	6.5	8.2	0.044	2.0
PTHF150-59	150	4.50	4.2	6.0	0.052	1.0
PTHF250-59	250	3.50	4.0	5.6	0.088	1.0
PTHF500-59	500	2.60	2.7	3.8	0.160	0.8
PTHF750-59	750	2.10	1.8	2.7	0.240	0.6
PTHF25-894	25	12.80	13.5	20.0	0.008	8.0
PTHF50-894	50	9.90	10.8	15.2	0.016	4.0
PTHF75-894	75	8.00	8.0	12.0	0.023	3.0
PTHF100-894	100	8.00	7.1	10.6	0.023	2.0
PTHF150-894	150	6.50	6.0	9.0	0.035	1.0
PTHF250-894	250	5.00	4.6	6.8	0.060	1.0
PTHF500-894	500	3.40	3.1	4.6	0.131	0.8
PTHF750-894	750	3.00	2.7	4.0	0.160	0.6
PTHF1000-894	1000	2.40	2.3	3.5	0.235	0.4
SERIES PTKM FERROUS ALLOY CORE						
PTKM10-50	10	7.36	1.70	3.30	0.010	35.0
PTKM25-50	25	5.20	1.00	1.90	0.020	10.0
PTKM50-50	50	3.93	0.70	1.30	0.035	7.0
PTKM75-50	75	3.47	0.60	1.10	0.045	5.0
PTKM100-50	100	3.14	0.50	0.96	0.055	4.0
PTKM150-50	150	2.33	0.40	0.78	0.100	2.0
PTKM200-50	200	1.97	0.35	0.65	0.140	1.7
PTKM250-50	250	1.84	0.31	0.59	0.160	1.5
PTKM330-50	330	1.69	0.27	0.50	0.190	1.0
PTKM10-121	10	8.27	5.30	9.10	0.010	20.0
PTKM25-121	25	6.34	3.30	5.70	0.017	8.0
PTKM50-121	50	4.77	2.30	4.00	0.030	4.0
PTKM75-121	75	3.90	1.80	3.10	0.045	3.0
PTKM100-121	100	3.24	1.60	2.80	0.065	2.0
PTKM150-121	150	2.68	1.30	2.20	0.095	1.5
PTKM250-121	250	2.07	0.90	1.70	0.160	1.0
PTKM10-59	10	14.50	7.60	13.00	0.008	20.0
PTKM25-59	25	9.80	4.70	8.30	0.011	8.0
PTKM50-59	50	6.90	3.30	5.70	0.022	4.0
PTKM75-59	75	5.90	3.00	4.90	0.030	3.0
PTKM100-59	100	4.90	2.40	4.20	0.044	2.0
PTKM150-59	150	4.50	1.90	3.40	0.052	1.0
PTKM250-59	250	3.50	1.50	2.70	0.088	1.0
PTKM500-59	500	2.60	1.10	1.80	0.160	0.8
PTKM750-59	750	2.10	0.90	1.60	0.240	0.6
PTKM25-894	25	12.80	6.60	11.00	0.008	8.0
PTKM50-894	50	9.90	4.20	7.40	0.016	4.0
PTKM75-894	75	8.00	3.70	6.40	0.023	3.0
PTKM100-894	100	8.00	3.50	6.00	0.023	2.0
PTKM150-894	150	6.50	2.30	4.30	0.035	1.0
PTKM250-894	250	5.00	1.90	3.20	0.060	1.0
PTKM500-894	500	3.40	1.40	2.50	0.131	0.8
PTKM750-894	750	3.00	1.20	2.10	0.160	0.6
PTKM1000-894	1000	2.40	1.00	1.80	0.235	0.4

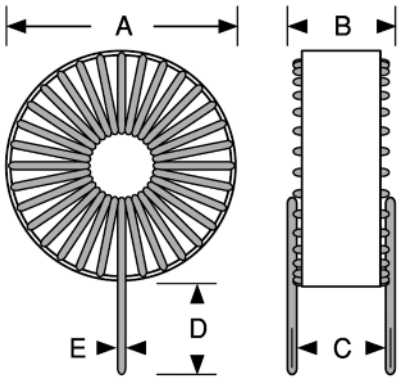
DELEVAN™
A REGAL REXNORD BRAND

SERIES PTHFxxxxR & PTKMxxxxR
PTHF & PTKM

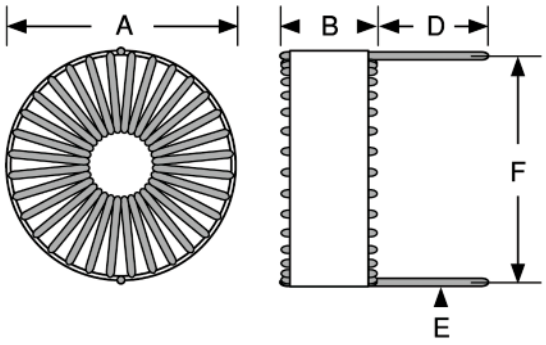
RoHS Compliant

Traditional First Quality

Toroidal Power Chokes – Horizontal or Vertical Mount



Vertical Configuration



Horizontal Configuration

PHYSICAL PARAMETERS

*** Nominal Dimensions** Allow up to 10% of nominal for maximum size

**** Part Number** Insert HF of KM for complete part number, and suffix "H" for horizontal mounting

Electrical Information on Preceding Page

PART NUMBER	A Nominal*		B Nominal*		C Typical		D Nominal*		E Nominal*		F Nominal*	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
PT**10-50	0.625	15.88	0.300	7.62	0.250	6.35	0.500	12.70	0.036	0.91	0.600	15.24
PT**25-50	0.625	15.88	0.300	7.62	0.250	6.35	0.500	12.70	0.032	0.81	0.600	15.24
PT**50-50	0.625	15.87	0.300	7.62	0.250	6.35	0.500	12.70	0.028	0.71	0.600	15.24
PT**75-50	0.625	15.87	0.300	7.62	0.250	6.35	0.500	12.70	0.025	0.63	0.600	15.24
PT**100-50	0.625	15.87	0.300	7.62	0.250	6.35	0.500	12.70	0.025	0.63	0.600	15.24
PT**150-50	0.625	15.87	0.300	7.62	0.250	6.35	0.500	12.70	0.020	0.51	0.600	15.24
PT**200-50	0.625	15.87	0.300	7.62	0.250	6.35	0.500	12.70	0.018	0.46	0.600	15.24
PT**250-50	0.625	15.87	0.300	7.62	0.250	6.35	0.500	12.70	0.018	0.46	0.600	15.24
PT**330-50	0.625	15.87	0.300	7.62	0.250	6.35	0.500	12.70	0.018	0.46	0.600	15.24
PT**10-121	0.820	20.83	0.400	10.16	0.320	8.13	0.500	12.70	0.040	1.02	0.780	19.81
PT**25-121	0.820	20.83	0.400	10.16	0.320	8.13	0.500	12.70	0.040	1.02	0.780	19.81
PT**50-121	0.820	20.83	0.400	10.16	0.320	8.13	0.500	12.70	0.036	0.91	0.780	19.81
PT**75-121	0.820	20.83	0.400	10.16	0.320	8.13	0.500	12.70	0.032	0.81	0.780	19.81
PT**100-121	0.820	20.83	0.400	10.16	0.320	8.13	0.500	12.70	0.028	0.71	0.780	19.81
PT**150-121	0.850	21.59	0.400	10.16	0.320	8.13	0.500	12.70	0.025	0.63	0.780	19.81
PT**250-121	0.850	21.59	0.400	10.16	0.320	8.13	0.500	12.70	0.023	0.58	0.780	19.81
PT**10-59	1.100	27.94	0.475	12.06	0.370	9.40	0.500	12.70	0.051	1.30	1.050	26.67
PT**25-59	1.100	27.94	0.475	12.06	0.370	9.40	0.500	12.70	0.051	1.30	1.050	26.67
PT**50-59	1.100	27.94	0.475	12.06	0.370	9.40	0.500	12.70	0.045	1.14	1.050	26.67
PT**75-59	1.100	27.94	0.475	12.06	0.370	9.40	0.500	12.70	0.040	1.02	1.050	26.67
PT**100-59	1.100	27.94	0.475	12.06	0.370	9.40	0.500	12.70	0.036	0.91	1.050	26.67
PT**150-59	1.100	27.94	0.475	12.06	0.450	11.43	0.500	12.70	0.036	0.91	1.050	26.67
PT**250-59	1.150	29.21	0.475	12.06	0.450	11.43	0.500	12.70	0.032	0.81	1.050	26.67
PT**500-59	1.150	29.21	0.475	12.06	0.450	11.43	0.500	12.70	0.028	0.71	1.050	26.67
PT**750-59	1.150	29.21	0.475	12.06	0.450	11.43	0.500	12.70	0.025	0.63	1.050	26.67
PT**25-894	1.300	33.02	0.650	16.51	0.600	15.24	0.750	19.05	0.064	1.3	1.250	31.75
PT**50-894	1.300	33.02	0.650	16.51	0.600	15.24	0.750	19.05	0.051	1.30	1.250	31.75
PT**75-894	1.300	33.02	0.650	16.51	0.600	15.24	0.750	19.05	0.051	1.30	1.250	31.75
PT**100-894	1.300	33.02	0.650	16.51	0.600	15.24	0.750	19.05	0.051	1.30	1.250	31.75
PT**150-894	1.300	33.02	0.650	16.51	0.600	15.24	0.750	19.05	0.045	1.14	1.250	31.75
PT**250-894	1.300	33.02	0.650	16.51	0.600	15.24	0.750	19.05	0.040	1.02	1.250	31.75
PT**500-894	1.300	33.02	0.650	16.51	0.600	15.24	0.750	19.05	0.032	0.81	1.250	31.75
PT**750-894	1.300	33.02	0.650	16.51	0.600	15.24	0.750	19.05	0.032	0.81	1.250	31.75
PT**1000-894	1.300	33.02	0.650	16.51	0.600	15.24	0.750	19.05	0.028	0.71	1.250	31.75

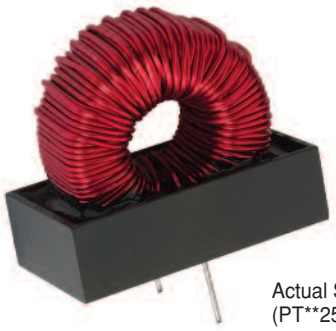
SERIES

PTHFxxxxR-VM
PTKMxxxxR-VM
PTHF-VM
PTKM-VM

RoHS Compliant

Traditional First Quality

Vertical Toroidal Power Chokes



Actual Size
(PT**25-894VM)

- **Excellent electromagnetic shielding** performance for commercial and industrial applications
- **Cost-effective** design
- **For higher saturation levels** use Series PTHF-VM
- Current rating from 1.69 to 14.5 amps
- Inductance values from 10 µH to 1000 µH

Physical Parameters on Next Page

Notes

1) Rated current is based on a 35°C temperature rise at an ambient temperature of 90°C.

2) Incremental current is the approximate value that will cause a percentage drop in inductance as indicated in the table.

*Complete part # must include series # PLUS the dash #

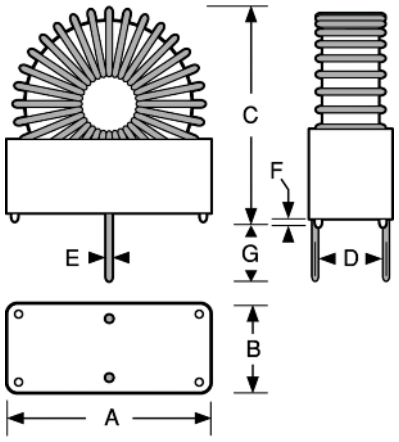
PART NUMBER*	INDUCTANCE (µH) @ 1 kHz ±10%	RATED IDC (AMPS)	dI ADC ΔL 10%	dI ADC ΔL 20%	DC RESISTANCE MAXIMUM (OHMS)	SRF MINIMUM (MHz)
SERIES PTHF-VM HIGH SATURATION CORE						
PTHF10-50VM	10	7.36	6.00	8.70	0.010	35.0
PTHF25-50VM	25	5.20	3.60	5.30	0.020	10.0
PTHF50-50VM	50	3.93	2.00	3.10	0.035	4.0
PTHF75-50VM	75	3.47	1.60	2.50	0.045	3.5
PTHF100-50VM	100	3.14	1.50	2.20	0.055	2.5
PTHF150-50VM	150	2.33	1.20	1.80	0.100	1.5
PTHF200-50VM	200	1.97	1.00	1.60	0.140	1.3
PTHF250-50VM	250	1.84	0.90	1.40	0.160	1.0
PTHF330-50VM	330	1.69	0.80	1.20	0.190	0.8
PTHF10-121VM	10	8.27	9.00	14.00	0.010	20.0
PTHF25-121VM	25	6.34	7.00	10.50	0.017	6.5
PTHF50-121VM	50	4.77	3.90	6.00	0.030	3.5
PTHF75-121VM	75	3.90	3.90	5.80	0.045	2.5
PTHF100-121VM	100	3.24	3.40	4.70	0.065	2.0
PTHF150-121VM	150	2.68	3.30	4.80	0.095	1.5
PTHF250-121VM	250	2.07	2.20	3.20	0.160	1.0
PTHF10-59VM	10	14.50	15.00	20.00	0.008	10.0
PTHF25-59VM	25	9.80	11.00	16.00	0.011	8.0
PTHF50-59VM	50	6.90	8.30	12.00	0.022	3.5
PTHF75-59VM	75	5.90	6.70	9.10	0.030	2.5
PTHF100-59VM	100	4.90	6.50	8.20	0.044	2.0
PTHF150-59VM	150	4.50	4.20	6.00	0.052	1.0
PTHF250-59VM	250	3.50	4.00	5.60	0.088	0.9
PTHF500-59VM	500	2.60	2.70	3.80	0.160	0.7
PTHF750-59VM	750	2.10	1.80	2.70	0.240	0.5
PTHF25-894VM	25	12.80	13.50	20.00	0.012	8.0
PTHF50-894VM	50	9.90	10.80	15.20	0.016	4.0
PTHF75-894VM	75	8.00	8.00	12.00	0.023	2.5
PTHF100-894VM	100	8.00	7.10	10.60	0.023	2.0
PTHF150-894VM	150	6.50	6.00	9.00	0.035	1.0
PTHF250-894VM	250	5.00	4.60	6.80	0.060	0.9
PTHF500-894VM	500	3.40	3.10	4.60	0.131	0.7
PTHF750-894VM	750	3.00	2.70	4.00	0.160	0.6
PTHF1000-894VM	1000	2.40	2.30	3.50	0.235	0.4
SERIES PTKM-VM FERROUS ALLOY CORE						
PTKM10-50VM	10	7.36	1.70	3.30	0.010	35.0
PTKM25-50VM	25	5.20	1.00	1.90	0.020	10.0
PTKM50-50VM	50	3.93	0.70	1.30	0.035	4.0
PTKM75-50VM	75	3.47	0.60	1.10	0.045	3.5
PTKM100-50VM	100	3.14	0.50	0.96	0.055	2.5
PTKM150-50VM	150	2.33	0.40	0.78	0.100	1.5
PTKM200-50VM	200	1.97	0.35	0.65	0.140	1.3
PTKM250-50VM	250	1.84	0.31	0.59	0.160	1.0
PTKM330-50VM	330	1.69	0.27	0.50	0.190	0.8
PTKM10-121VM	10	8.27	5.30	9.10	0.010	20.0
PTKM25-121VM	25	6.34	3.30	5.70	0.017	6.5
PTKM50-121VM	50	4.77	2.30	4.00	0.030	3.5
PTKM75-121VM	75	3.90	1.80	3.10	0.045	2.5
PTKM100-121VM	100	3.24	1.60	2.80	0.065	2.0
PTKM150-121VM	150	2.68	1.30	2.20	0.095	1.5
PTKM250-121VM	250	2.07	0.90	1.70	0.160	1.0
PTKM10-59VM	10	14.50	7.60	13.00	0.008	10.0
PTKM25-59VM	25	9.80	4.70	8.30	0.011	8.0
PTKM50-59VM	50	6.90	3.30	5.70	0.022	3.5
PTKM75-59VM	75	5.90	3.00	4.90	0.030	2.5
PTKM100-59VM	100	4.90	2.40	4.20	0.044	2.0
PTKM150-59VM	150	4.50	1.90	3.40	0.052	1.0
PTKM250-59VM	250	3.50	1.50	2.70	0.088	0.9
PTKM500-59VM	500	2.60	1.10	1.80	0.160	0.7
PTKM750-59VM	750	2.10	0.90	1.60	0.240	0.5
PTKM25-894VM	25	12.80	6.60	11.00	0.012	8.0
PTKM50-894VM	50	9.90	4.20	7.40	0.016	4.0
PTKM75-894VM	75	8.00	3.70	6.40	0.023	2.5
PTKM100-894VM	100	8.00	3.50	6.00	0.023	2.0
PTKM150-894VM	150	6.50	2.30	4.30	0.035	1.0
PTKM250-894VM	250	5.00	1.90	3.20	0.060	0.9
PTKM500-894VM	500	3.40	1.40	2.50	0.131	0.7
PTKM750-894VM	750	3.00	1.20	2.10	0.160	0.6
PTKM1000-894VM	1000	2.40	1.00	1.80	0.235	0.4

SERIES PTHFxxxxR-VM & PTKMxxxxR-VM
PTHF-VM & PTKM-VM

RoHS Compliant

Traditional First Quality

Vertical Toroidal Power Chokes



Physical Parameters

	Inches	Millimeters
F (Standoffs)	0.025	0.635
G (Lead length below standoff)	0.250 ± 0.062	6.35 ± 1.57

Other dimensions in table below

Electrical Information on Preceding Page

PART NUMBER	A Nominal		B Nominal		C Nominal		D Nominal		E Nominal	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
PT**10-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.036	0.914
PT**25-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.032	0.813
PT**50-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.028	0.711
PT**75-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.025	0.635
PT**100-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.025	0.635
PT**150-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.020	0.508
PT**200-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.018	0.457
PT**250-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.018	0.457
PT**330-50VM	0.750	19.05	0.400	10.16	0.775	19.68	0.250	6.350	0.018	0.457
PT**10-121VM	0.800	20.32	0.500	12.70	0.950	24.13	0.350	8.890	0.040	1.016
PT**25-121VM	0.800	20.32	0.500	12.70	0.950	24.13	0.350	8.890	0.040	1.016
PT**50-121VM	0.800	20.32	0.500	12.70	0.950	24.13	0.350	8.890	0.036	0.914
PT**75-121VM	0.800	20.32	0.500	12.70	0.950	24.13	0.350	8.890	0.032	0.813
PT**100-121VM	0.800	20.32	0.500	12.70	0.975	24.76	0.350	8.890	0.028	0.711
PT**150-121VM	0.800	20.32	0.500	12.70	0.975	24.76	0.350	8.890	0.025	0.635
PT**250-121VM	0.800	20.32	0.500	12.70	0.975	24.76	0.350	8.890	0.023	0.584
PT**10-59VM	1.210	30.73	0.685	17.40	1.175	29.84	0.400	10.16	0.051	1.295
PT**25-59VM	1.210	30.73	0.685	17.40	1.175	29.84	0.400	10.16	0.051	1.295
PT**50-59VM	1.210	30.73	0.685	17.40	1.175	29.84	0.400	10.16	0.045	1.143
PT**75-59VM	1.210	30.73	0.685	17.40	1.175	29.84	0.400	10.16	0.040	1.016
PT**100-59VM	1.210	30.73	0.685	17.40	1.175	29.84	0.400	10.16	0.036	0.914
PT**150-59VM	1.210	30.73	0.685	17.40	1.175	29.84	0.400	10.16	0.036	0.914
PT**250-59VM	1.210	30.73	0.685	17.40	1.250	31.75	0.400	10.16	0.032	0.813
PT**500-59VM	1.210	30.73	0.685	17.40	1.250	31.75	0.400	10.16	0.028	0.711
PT**750-59VM	1.210	30.73	0.685	17.40	1.250	31.75	0.400	10.16	0.025	0.635
PT**25-894VM	1.450	36.83	0.825	20.95	1.400	35.56	0.600	15.24	0.051	1.295
PT**50-894VM	1.450	36.83	0.825	20.95	1.400	35.56	0.600	15.24	0.051	1.295
PT**75-894VM	1.450	36.83	0.825	20.95	1.400	35.56	0.600	15.24	0.051	1.295
PT**100-894VM	1.450	36.83	0.825	20.95	1.400	35.56	0.600	15.24	0.051	1.295
PT**150-894VM	1.450	36.83	0.825	20.95	1.400	35.56	0.600	15.24	0.045	1.143
PT**250-894VM	1.450	36.83	0.825	20.95	1.400	35.56	0.600	15.24	0.040	1.016
PT**500-894VM	1.450	36.83	0.825	20.95	1.475	37.46	0.600	15.24	0.032	0.813
PT**750-894VM	1.450	36.83	0.825	20.95	1.475	37.46	0.600	15.24	0.032	0.813
PT**1000-894VM	1.450	36.83	0.825	20.95	1.475	37.46	0.600	15.24	0.028	0.711

**Insert HF or KM for complete Part Number

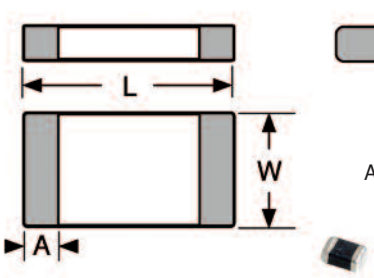
*Complete part # must include series # PLUS the dash #

DELEVAN™ A REGAL REXNORD BRAND

SERIES

EMI0603R, EMI0805R, EMI1206R, EMI1210R, EMI1806R, EMI1812R

RoHS Compliant



Actual Size (Max.)

Small size utilizing a monolithic ferrite structure which results in excellent magnetic shielding.

Operating Temperature Range –55°C to +125°C

Terminations Suitable for flow & reflow soldering application.

Current Rating The current at which the Impedance will change by a maximum of ±25%.

Note † Test Frequency for EMI1206R-1500 = 50 MHz
*** Test Frequency for EMI1206R-2000 = 30 MHz

Additional values available - contact factory for your application

*Complete part # must include series # PLUS the dash #

DASH NUMBER*	IMPEDANCE @ 100 MHz (OHMS) ±25%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES EMI0603R			
-60	60	0.10	600
-68	68	0.10	600
-80	80	0.10	400
-120	120	0.15	400
-220	220	0.30	300
-300	300	0.35	300
-450	450	0.40	300
-600	600	0.45	200
-750	750	0.60	100
-1000	1000	0.60	100
SERIES EMI0805R			
-11	11	0.05	600
-40	40	0.05	600
-90	90	0.10	600
-120	120	0.15	500
-150	150	0.15	500
-220	220	0.22	500
-300	300	0.20	500
-400	400	0.30	500
-600	600	0.30	500
-1000	1000	0.35	300
-1500	1500	0.40	200
-2000	2000	0.50	200
SERIES EMI1206R			
-31	31	0.05	600
-50	50	0.10	600
-70	70	0.10	600
-90	90	0.15	500
-120	120	0.15	500
-150	150	0.15	500
-200	200	0.20	500
-300	300	0.20	500
-600	600	0.30	500
-800	800	0.30	200
-1000	1000	0.40	200
-1200	1200	0.40	200
-1500†	1500	0.50	200
-2000***	2000	0.50	200
SERIES EMI1210R			
-60	60	0.30	400
SERIES EMI1806R			
-80	80	0.10	400
-105	100	0.20	300
-150	150	0.30	200
SERIES EMI1812R			
-125	120	0.40	200

Physical Parameters and Packaging						
	EMI0603R	EMI0805R	EMI1206R	EMI1210R	EMI1806R	EMI1812R
Dimensions						
L - inches (mm)	0.063±0.006 (1.6±0.15)	0.079±0.008 (2.0±0.2)	0.126±0.008 (3.2±0.2)	0.126±0.008 (3.2±0.2)	0.177±0.010 (4.5±0.25)	0.177±0.010 (4.5±0.25)
W - inches (mm)	0.031±0.006 (0.8±0.15)	0.049±0.008 (1.25±0.2)	0.063±0.008 (1.6±0.2)	0.098±0.008 (2.5±0.2)	0.063±0.008 (1.6±0.2)	0.126±0.010 (3.2±0.25)
T - inches (mm)	0.031±0.006 (0.8±0.15)	0.035±0.008 (0.9±0.2)	0.043±0.008 (1.1±0.2)	0.051±0.008 (1.3±0.2)	0.063±0.008 (1.6±0.2)	0.059±0.010 (1.5±0.25)
A - inches (mm)	0.012±0.008 (0.3±0.20)	0.020±0.012 (0.50±0.300)	0.020±0.012 (0.50±0.300)	0.020±0.012 (0.50±0.300)	0.022±0.016 (0.60±0.400)	0.022±0.016 (0.60±0.400)
Packaging Tape & reel (12mm); max. pieces per reel as follows	4000	4000	3000	2000	2000	1000

DELEVAN™
A REGAL REXNORD BRAND

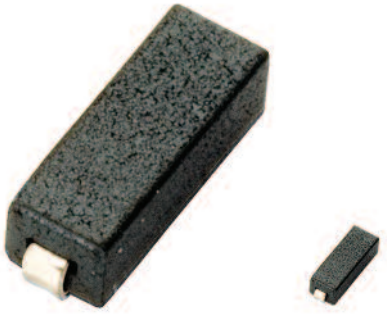
SERIES 4221R -1, -2, -4 4221 -3

RoHS Compliant

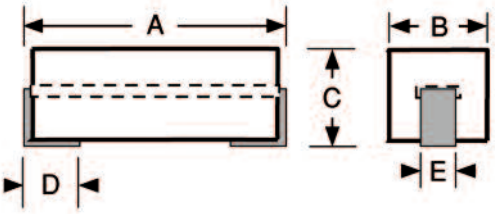
Traditional First Quality

Surface Mount Filter Bead

SERIES 4221R / 4221		
DASH NUMBER*	IMPEDANCE (OHMS) @ 25 MHz (MINIMUM)	IMPEDANCE (OHMS) @ 100 MHz (±20%)
-1	22	47
-2	45	95
-3	22	42
-4	43	85



Actual Size (Max.)



*Complete part # must include series # PLUS the dash #

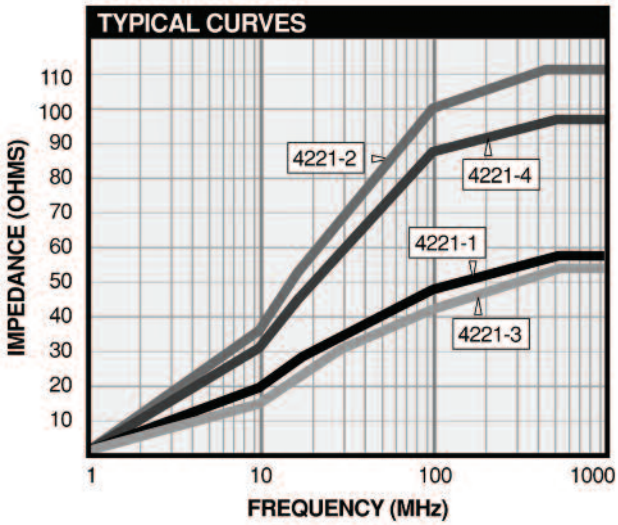
Operating Temperature Range –55°C to +125°C

Current Rating 5 Amps max. (35°C Rise, 90° Ambient)

Material Ferrite bead with plated copper lead

Packaging Tape & reel
Series 4221-1 and 4221-3 (12mm)
Series 4221-2 and 4221-4 (16mm)
7" reel, 500 pieces max.; 13" reel, 4000 pieces max.

	4221 - 1	4221 - 2	4221 - 3	4221 - 4
A in.	0.197 +0.011/-0.028	0.374 +0.015/-0.028	0.217 +0.011/-0.028	0.350 +0.015/-0.028
mm.	(5.0 +0.3/-0.7)	(9.5 +0.4/-0.7)	(5.5 +0.3/-0.7)	(8.9 +0.4/-0.7)
B in.	0.120 ± 0.006	0.120 ± 0.006	0.117 ± 0.006	0.187 ± 0.006
mm.	(3.05 ± 0.15)	(3.05 ± 0.15)	(2.97 ± 0.15)	(4.75 ± 0.15)
C in.	0.120 +0.007/-0.015	0.120 +0.007/-0.015	0.138 +0.007/-0.015	0.138 +0.007/-0.015
mm.	(3.05 +0.2/-0.4)	(3.05 +0.2/-0.4)	(3.50 +0.2/-0.4)	(3.50 +0.2/-0.4)
D in.	0.059 ± 0.025	0.059 ± 0.025	0.059 ± 0.025	0.059 ± 0.025
mm.	(1.50 ± 0.63)	(1.50 ± 0.63)	(1.50 ± 0.63)	(1.50 ± 0.63)
E in.	0.050 ± 0.003	0.050 ± 0.003	0.050 ± 0.003	0.073 ± 0.003
mm.	(1.25 ± 0.07)	(1.25 ± 0.07)	(1.25 ±0.07)	(1.85 ± 0.07)



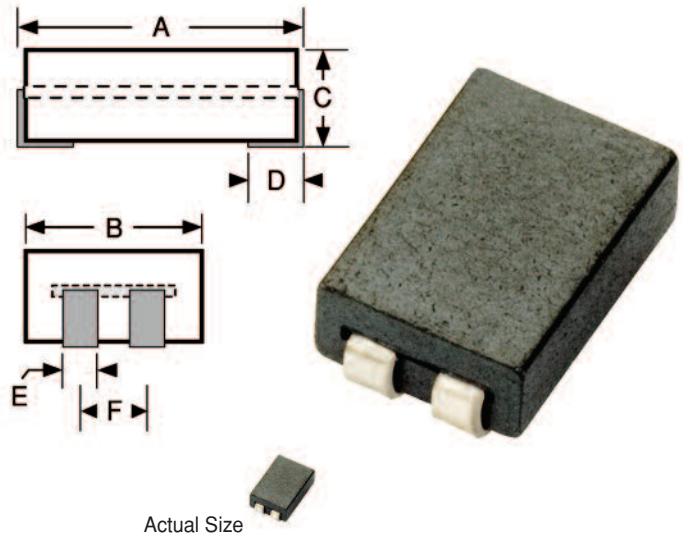
For more detailed graphs, contact factory

DELEVAN™ A REGAL REXNORD BRAND

SERIES 4222R 4222

RoHS Compliant
Traditional First Quality

Surface Mount Common Mode Bead



Actual Size

Performance Withstands a breakdown voltage of 500 VDC

DCR 0.010 Ohms Max.

Current Rating at 90°C Ambient
35°C Rise, 5 Amps max.

Impedances are measured on the HP4191A Impedance Analyzer

Impedance vs. Frequency (Typical)

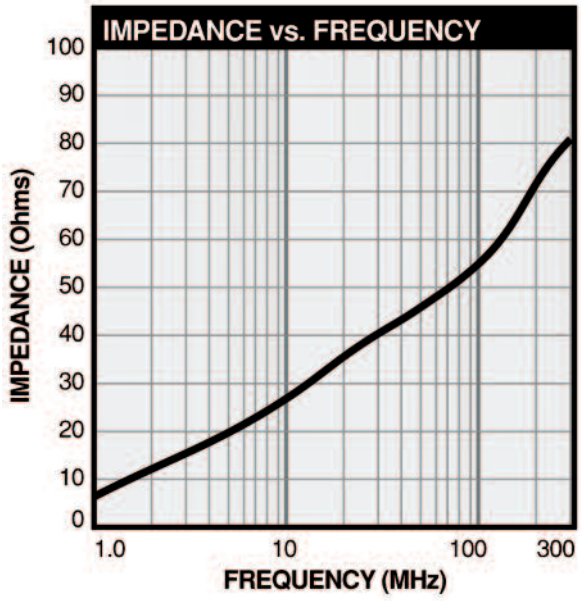
@ MHz	Ohms
1	6.0
10	26.
25	38.
50	45.
100	54.
300	80.

Mechanical Configuration Ferrite bead with plated copper wire. Provides a common path for the magnetic flux generated by the current to and from the load. The resulting effect is zero magnetics flux in the core.

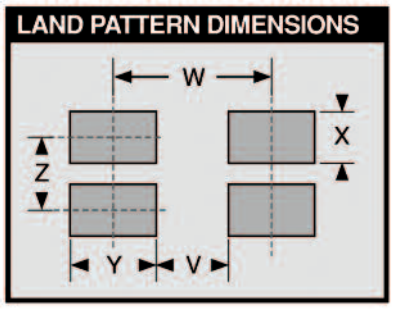
Physical Parameters

	Inches	Millimeters
A	0.335 ± 0.031	8.51 ± 0.79
B	0.220 ± 0.010	5.6 ± 0.25
C	0.112 ± 0.010	2.85 ± 0.25
D	0.050 ± 0.010	1.27 ± 0.25
E	0.045 ± 0.005	1.10 ± 0.122
F (Ref.)	0.10	2.54
V (Ref.)	0.177	4.5
W (Ref.)	0.295	7.5
X (Ref.)	0.071	1.8
Y (Ref.)	0.118	3.0
Z (Ref.)	0.100	2.54

Packaging Bulk only



For more detailed graphs, contact factory



DELEVAN™
A REGAL REXNORD BRAND

SERIES SMB2.5R SMB2.5

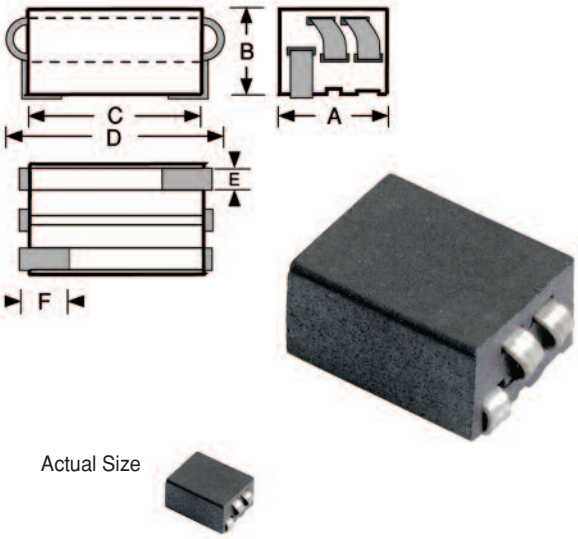
RoHS Compliant

Traditional First Quality

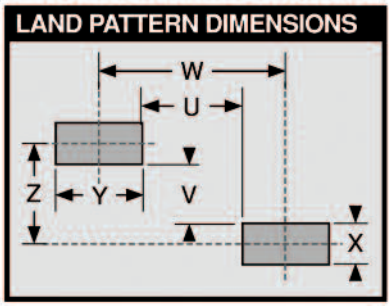
Surface Mount Shield Beads

DASH NUMBER*	TURNS	MINIMUM IMPEDANCE (OHMS) 10 MHz	MINIMUM IMPEDANCE (OHMS) 100 MHz	MINIMUM IMPEDANCE (OHMS) 150 MHz	MINIMUM IMPEDANCE (OHMS) 220 MHz	Idc MAXIMUM (AMPS)	DCR MAXIMUM (OHMS)
SERIES SMB2.5R / SMB2.5							
-1	2 1/2	210	385	400	375	9.5	0.005
-2	2 1/2	N/A	490	635	650	9.5	0.005

*Complete part # must include series # PLUS the dash #



Actual Size



Physical Parameters

	Inches	Millimeters
A	0.285 ± 0.010	7.2 ± 0.25
B	0.185 ± 0.015	4.7 ± 0.38
C	0.355 ± 0.020	9.02 ± 0.51
D	0.460 Max.	11.68 Max.
E	0.050 ± 0.005	1.27 ± 0.13
F	0.075 Min.	1.9 Min.

Operating Temperature Range –40°C to +125°C

Impedances are measured on the HP 4291A Impedance Analyzer

Material High resistivity ferrite material eliminates the need to insulate windings

Lead Wire Plated copper

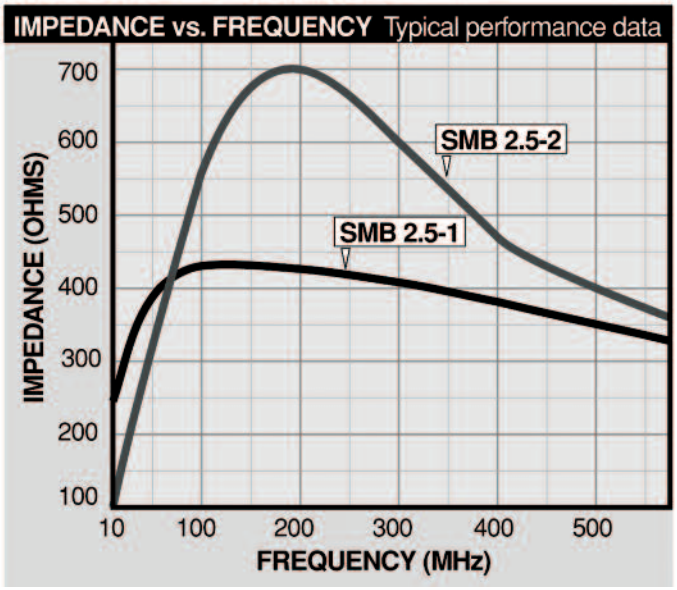
Idc Max. Based on a 35° C rise from 90°C ambient

Parts are available in tape and reel packaging

Packaging Tape & reel (24mm): 13" reel, 700 pieces max.; 7" reel not available

Suggested Land Pattern Dimensions

	Inches	Millimeters
U	0.075	1.9
V	0.095	2.4
W	0.265	6.7
X	0.09	2.3
Y	0.19	4.8
Z	0.185	4.7



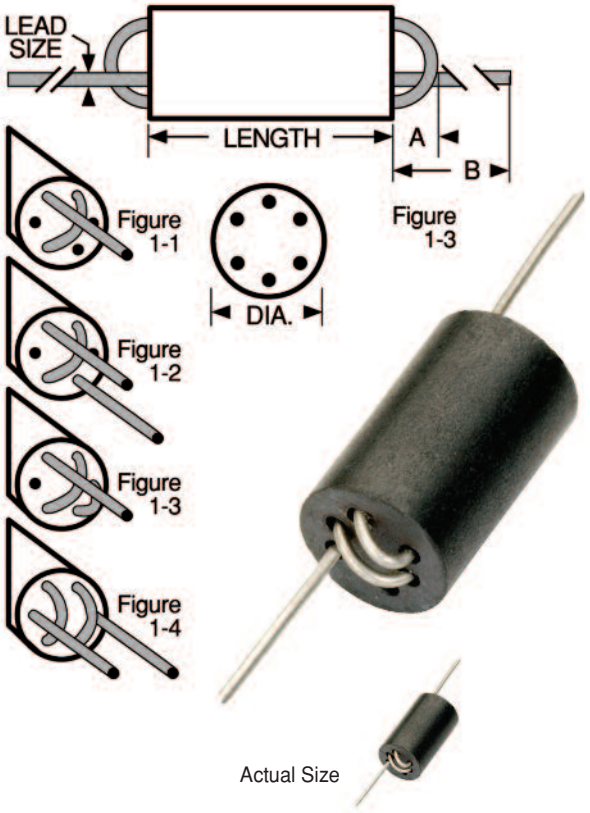
For more detailed graphs, contact factory

SERIES 4212R 4212

RoHS Compliant

Traditional First Quality

Wound Beads



DASH NUMBER*	FIGURE	TURNS	MINIMUM IMPEDANCE 10 MHz	50 MHz	100 MHz	150 MHz	200 MHz	220 MHz
SERIES 4212R / 4212								
-1	1–3	2 1/2	—	—	750	700	—	400
-2	1–3	2 1/2	325	—	575	525	—	—
-3	1–1	1 1/2	—	325	425	—	400	—
-4	1–1	1 1/2	170	320	375	—	—	—
-5	1–2	2	—	525	600	—	600	—
-6	1–2	2	240	520	480	—	—	—
-7	1–4	3	—	950	900	—	600	—
-8	1–4	3	400	800	550	—	—	—

*Complete part # must include series # PLUS the dash #

Physical Parameters

	Inches	Millimeters
Length	0.374 to 0.414	9.50 to 10.51
Diameter	0.216 to 0.256	5.48 to 6.35
Lead Size		
AWG #24 TCW	0.0185 to 0.0215	0.47 to 0.55
A	0.12 Max.	3.05 Max.
B	1.10 Min.	28.0 Min.

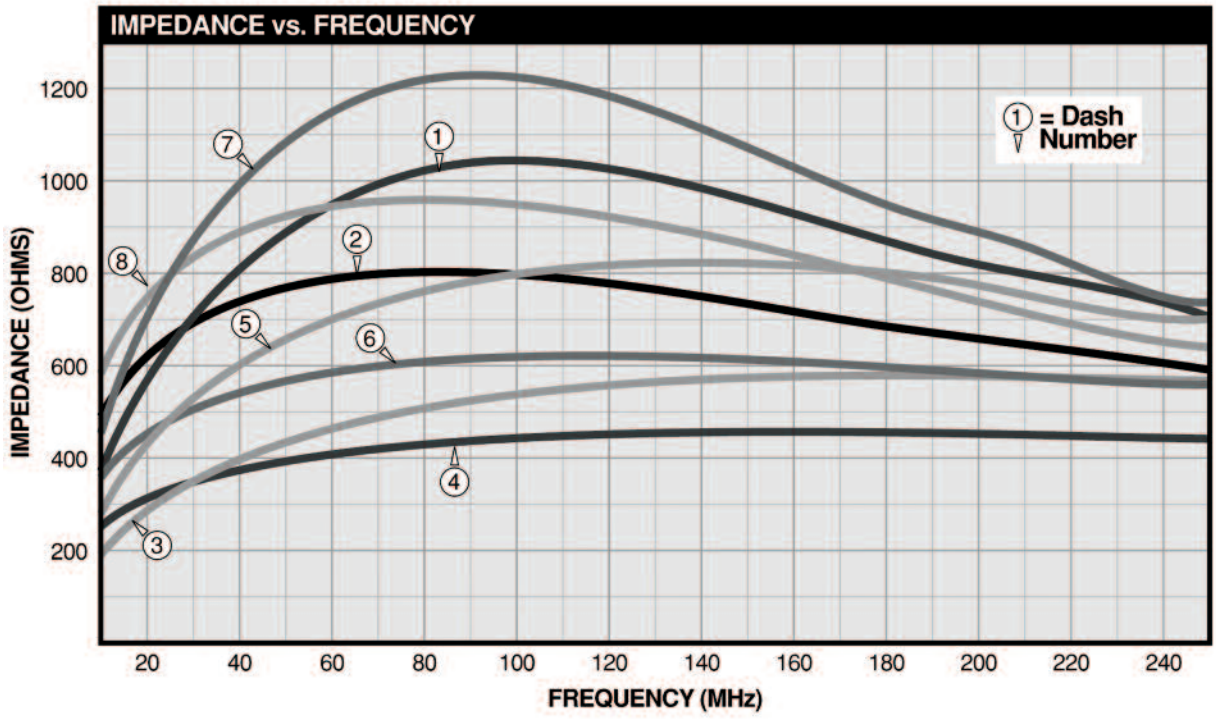
Impedances measured on HP 4191A Impedance Analyzer.

High resistivity ferrite material eliminates the need to insulate windings.

Lead Wire Plated copper

Packaging Bulk only

For more detailed graphs, contact factory

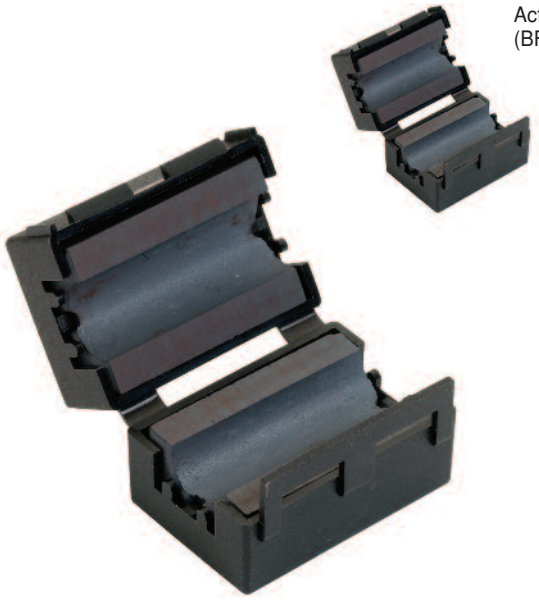


DELEVAN™ A REGAL REXNORD BRAND

BF SERIES

RoHS Compliant

Split Ferrite Suppressors for Round Cables



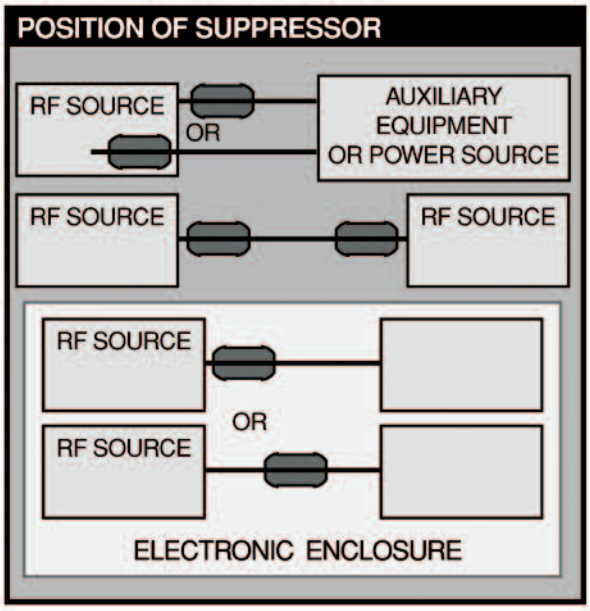
Actual Size
(BF2125)

Electronic cables and wires, by virtue of their length-to-width ratios, are perfect natural antennas. In the presence of high speed microprocessor signals, cables will conduct, radiate and/or receive unwanted high frequency interfering signals. Radio interference sources usually radiate their RFI power at frequencies above 30 MHz by way of the main cabling, which acts as an antenna. Control of radio interference can be assured by proper placement of an insertion loss device, such as a ferrite suppressor. Any device used to block an RFI signal between its source and a receiver is an electromagnetic interference (EMI) shield. The measure of this ability to attenuate RFI is shielding effectiveness, "SE", which is expressed in decibels, "dB", the ratio of field strength on one side of the shield to the other side.

One of the most versatile and cost effective shielding methods that can be used today is the API Delevan bisected ferrite cable snap assembly. The bisected styling, or familiar clamshell enclosure design offers the ultimate in adaptability. The RF absorbing material interacts directly with unwanted high frequency energy and dissipates it effectively while allowing data signals to pass unimpeded.

Bisected ferrites have a concentrated, homogeneous magnetic structure with high permeability. These are consistently stable at +20°C to +60°C and provide RF suppression without eddy current losses.

AIR GAP EFFECT
The air gap in bisected ferrites actually extends current carrying capabilities with only an extremely small reduction in impedance versus solid ferrites of the same size. The gap is magnetically insignificant while it is electrically significant as a discontinuation, thereby accommodating more current.

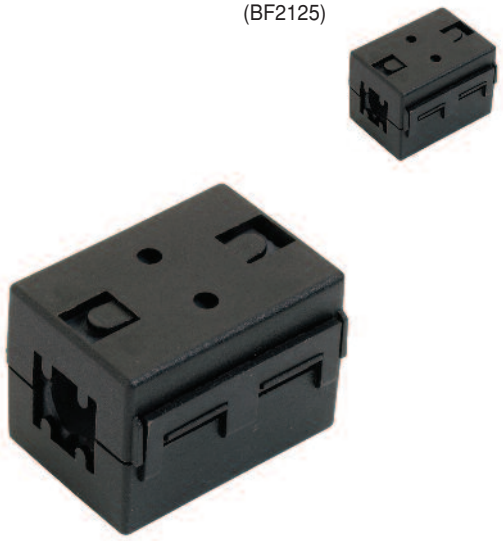


POSITION OF SUPPRESSOR The suppressor should normally be located close to the cable termination where it exits the enclosure. Where a cable connects two enclosures containing RF sources, a suppressor on each end may be required. For circuits within an enclosure, a position close to the RF is best. However, other locations along the circuit may work as well.

Material and U.L. Data API-1 Material, see characteristics and information in the Technical Notes Section of our website, www.delevan.com.

Continued on next page

Actual Size
(BF2125)

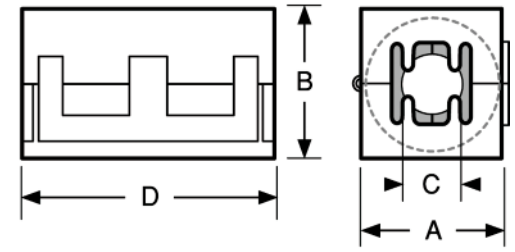


BF SERIES

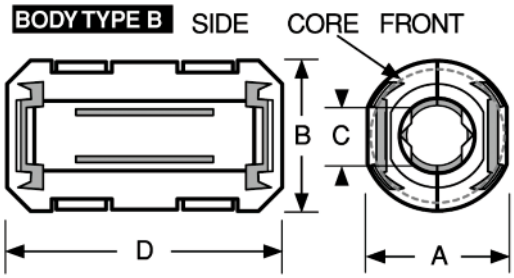
RoHS Compliant

Suppressors for Round Cables

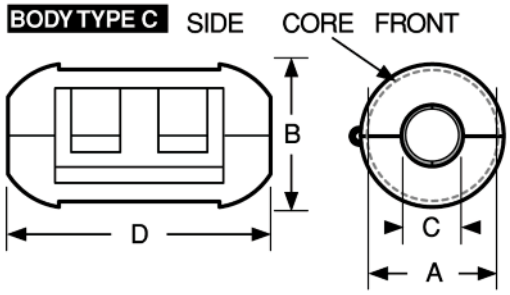
BODY TYPE A SIDE CORE FRONT



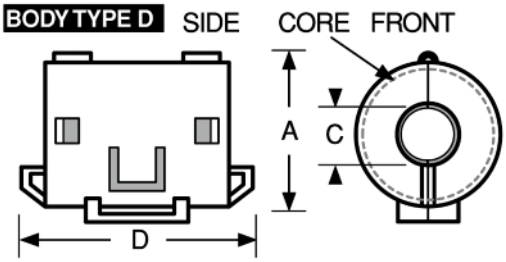
BODY TYPE B SIDE CORE FRONT



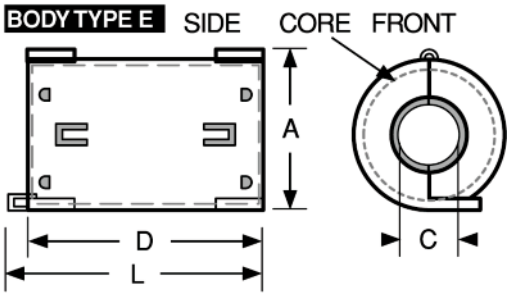
BODY TYPE C SIDE CORE FRONT



BODY TYPE D SIDE CORE FRONT



BODY TYPE E SIDE CORE FRONT



PART NUMBER	UNITS	BODY TYPE	DIMENSIONS Inches ± 0.04; mm ± 1.0 A	B	C	D	L	IMPED-ANCE (OHMS)* 25 MHz	100 MHz
SERIES BF - FOR ROUND CABLES									
BF2930	in.	A	1.16	1.20	0.51	1.30	—	155	257
	mm		29.6	30.5	13.0	33.0			
BF2223	in.	A	0.87	0.91	0.39	1.28	—	136	250
	mm		22.3	23.3	10.0	32.6			
BF1719	in.	A	0.70	0.76	0.25	1.28	—	171	325
	mm		17.8	19.5	6.5	32.5			
BF1835	in.	B	0.70	0.77	0.35	1.37	—	112	172
	mm		18.0	19.7	9.0	35.0			
BF1125-5	in.	B	0.46	0.51	0.19	0.98	—	96	154
	mm		11.7	13.0	5.0	25.0			
BF1125-3	in.	B	0.46	0.51	0.13	0.98	—	139	191
	mm		11.7	13.0	3.5	25.0			
BF1429	in.	C	0.57	0.61	0.22	1.14	—	85	157
	mm		14.5	15.7	5.6	29.0			
BF1225	in.	C	0.50	0.57	0.15	0.98	—	82	146
	mm		12.8	14.7	4.0	25.0			
BF3024	in.	D	1.20	—	0.45	0.69	0.94	51	103
	mm		30.5		11.4	17.7	24.0		
BF2125	in.	D	0.84	—	0.32	0.77	1.01	50	107
	mm		21.5		8.15	19.7	25.8		
BF2123	in.	D	0.84	—	0.32	0.66	0.90	42	94
	mm		21.5		8.15	16.8	23.0		
BF1835-9	in.	E	0.73	—	0.35	1.22	1.38	126	174
	mm		18.6		9.0	31.0	35.2		
BF3121	in.	D	1.24	—	0.59	0.60	0.84	41	95
	mm		31.5		15.0	15.2	21.5		

Physical Parameters

Material and U.L. Data API-1 Material, see characteristics and information in the Technical Notes Section.

*** Note** Impedance is typical, based on 1⁄2 turn (4.0") 18 AWG wire. Impedance measurement using HP4191A.

Color Black; Special colors Available for bases on a non-cancellable, non returnable basis C = Cream;
W = White; Gr = Grey

U.L. Recognized
All plastic and adhesive components use U.L. Recognized materials with Flammability Ratings of UL94V-0, UL-510 or UL-746C

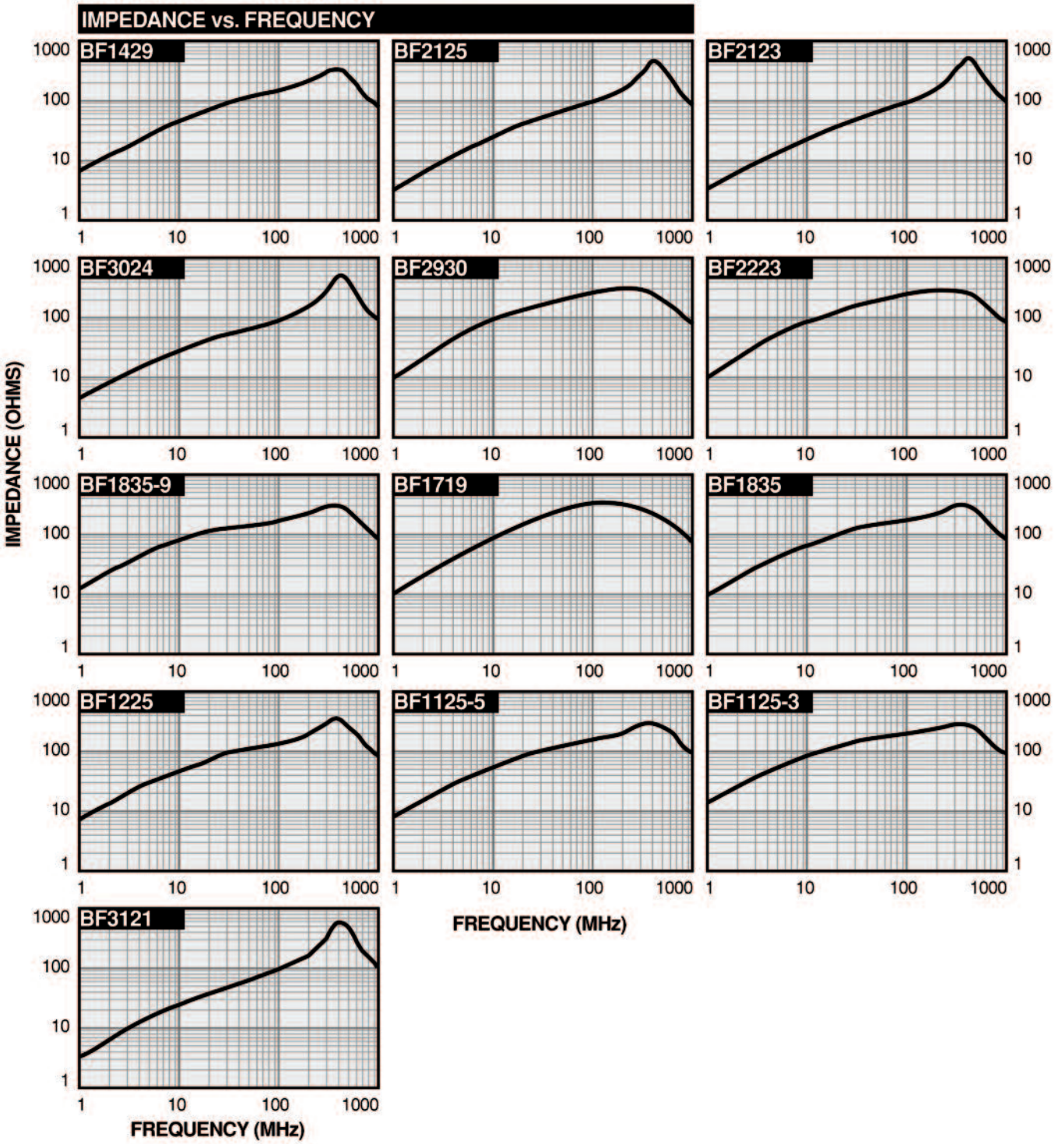
SEE Z vs. f GRAPHS ON NEXT PAGE

DELEVAN™ A REGAL REXNORD BRAND

BF SERIES

RoHS Compliant

Split Ferrite Suppressors for Round Cables



Additional Information on Preceding Pages

Note Impedance is typical, based on 1⁄2 turn (4.0") 18 AWG wire. Impedance measurement using HP4191A

DELEVAN™ A REGAL REXNORD BRAND

CFHF SERIES

RoHS Compliant

High Frequency Cylindrical EMI Suppression Ferrites

Delevan's Cylindrical EMI Suppression ferrites provide a cost effective means to reducing common and differential mode EMI. These suppressor ferrites are offered with a HF and LF material, the HF material allows these suppressors to perform in high frequency applications while the LF material is utilized in low frequency applications.

Select a ferrite with an inner diameter (Dimension B) that closely matches the outer diameter of the wires that require filtering.

Features

- Wide range of sizes with inner diameters (Dimension B) from 0.188 inches (4.80 mm) to 0.905 inches (23.0 mm)
- Precision formed smooth surfaces prevent damage to wire insulation
- Available in CF1 and CF2 material.
- Custom designs available

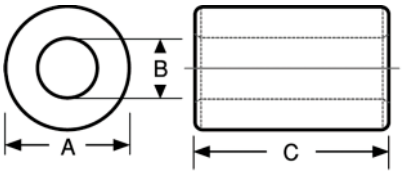
Applications

- Internal and external computer data and power cables, high speed digital circuits, RF communication, and wireless devices.

Packaging

- Vacuum Sealed Tray(s). Quantities per package are part number specific.

***Note – Impedance Testing** Impedance is typical, measured using HP4191A, based on ½ turn (4.0") 19 AWG wire.



How To Order:

CFHF	360	230	150
(A)	(B)	(C)	(D)

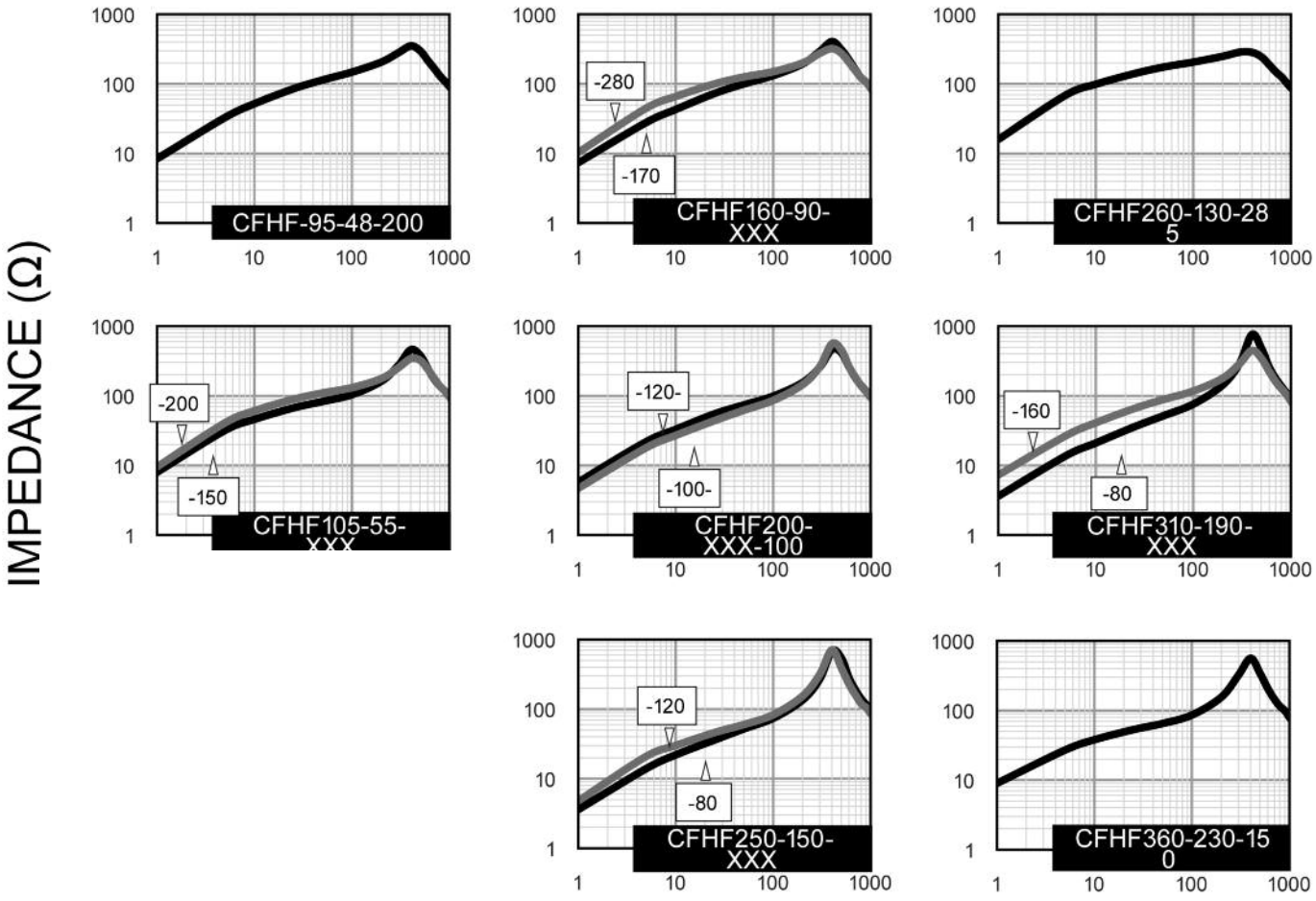
(A) Suppressor Series: CFHF
(B) Outer Diameter: 9.50±0.3 mm (0.374±0.011 inches) to 36.0±0.8 mm (1.417±0.031 inches)
(C) Inner Diameter: 4.80±0.2 mm (0.188±0.007 inches) to 23.0±0.6 mm (0.905±0.023 inches)
(D) Length: 8.00±0.4 mm (0.314±0.012 inches) to 15.0±0.5 mm (0.590±0.019 inches)

PART NUMBER	IMPEDANCE*		DIMENSION A		DIMENSION B		DIMENSION C	
	@ 25 MHz (Min.)	@ 100 MHz (Typ.)	INCHES	mm	INCHES	mm	INCHES	mm
CFHF-95-48-200	70	120	0.374±0.011	9.50±0.3	0.188±0.007	4.80±0.21	0.787±0.023	20.0±0.6
CFHF-105-55-150	50	80	0.413±0.015	10.5±0.4	0.216±0.007	5.50±0.2	0.590±0.019	15.0±0.5
CFHF-105-55-200	70	115	0.413±0.015	10.5±0.4	0.216±0.007	5.50±0.2	0.787±0.023	20.0±0.6
CFHF-142-64-285	100	165	0.559±0.019	14.2±0.5	0.250±0.011	6.35±0.3	1.122±0.031	28.5±0.8
CFHF-160-90-170	55	90	0.629±0.019	16.0±0.5	0.354±0.011	9.00±0.3	0.669±0.023	17.0±0.6
CFHF-160-90-280	60	115	0.629±0.019	16.0±0.5	0.354±0.011	9.00±0.3	1.102±0.031	28.0±0.6
CFHF-200-100-100	38	65	0.787±0.023	20.0±0.6	0.393±0.015	10.0±0.4	0.393±0.015	10.0±0.4
CFHF-200-120-100	28	55	0.787±0.023	20.0±0.6	0.472±0.015	12.0±0.4	0.393±0.015	10.0±0.4
CFHF-250-150-80	21	55	0.984±0.025	25.0±0.7	0.590±0.019	15.0±0.5	0.314±0.0129	8.00±0.4
CFHF-250-150-120	36	60	0.984±0.025	25.0±0.7	0.590±0.019	15.0±0.53	0.472±.0015	12.0±0.4
CFHF-260-130-285	100	170	1.023±0.027	26.0±0.7	0.512±0.019	13.0±0.5	1.122±0.031	28.5±0.8
CFHF-310-190-80	25	35	1.220±0.031	31.0±0.8	0.748±0.023	19.0±0.6	0.314±0.012	8.00±0.4
CFHF-310-190-160	42	70	1.220±0.031	31.0±0.8	0.748±0.023	19.0±0.6	0.629±0.019	16.0±0.5
CFHF-360-230-150	39	75	1.417±0.031	36.0±0.8	0.905±0.023	23.0±0.6	0.590±0.019	15.0±0.5

CFHF SERIES

RoHS Compliant

High Frequency Cylindrical EMI Suppression Ferrites



For more detailed graphs, contact Delevan

CFLF SERIES

RoHS Compliant

Low Frequency Cylindrical EMI Suppression Ferrites

Delevan's Cylindrical EMI Suppression ferrites provide a cost effective means to reducing common and differential mode EMI. These suppressor ferrites are offered with a HF and LF material, the HF material allows these suppressors to perform in high frequency applications while the LF material is utilized in low frequency applications.

Select a ferrite with an inner diameter (Dimension B) that closely matches the outer diameter of the wires that require filtering.

Features

- Wide range of sizes with inner diameters (Dimension B) from 0.216 inches (5.50 mm) to 0.374 inches (9.50 mm)
- Precision formed smooth surfaces prevent damage to wire insulation
- Available in CF1 and CF2 material.
- Custom designs available

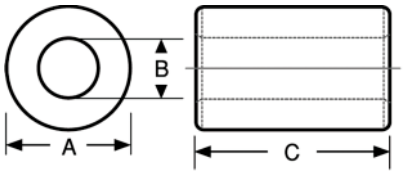
Applications

- Internal and external computer data and power cables, automotive electronics, medical devices, and usage where signal integrity is critical.

Packaging

- Vacuum Sealed Tray(s). Quantities per package are part number specific.

***Note – Impedance Testing** Impedance is typical, measured using HP4191A, based on ½ turn (4.0") 19 AWG wire.



How To Order:

CFLF	105	55	200
(A)	(B)	(C)	(D)

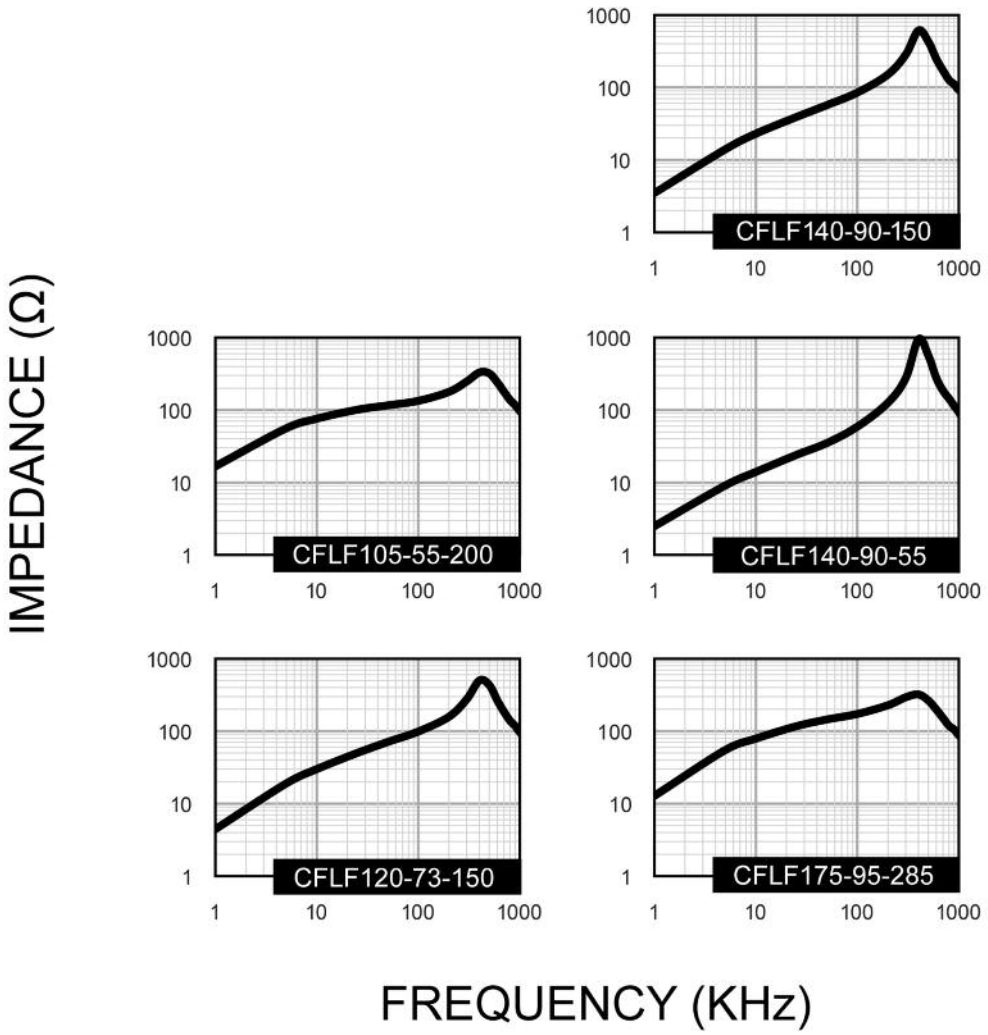
(A) Suppressor Series: CFLF
(B) Outer Diameter: 10.5±0.4 mm (0.413±0.015 inches) to 17.5±0.6 mm (0.689±0.023 inches)
(C) Inner Diameter: Inner Diameter: 5.50±0.2 mm (0.216±0.007 inches) to 9.50±0.4 mm (0.374±0.011 inches)
(D) Length: 5.50±0.20 mm (0.216±0.007 inches) to 28.5±0.8 mm (1.122±0.031 inches)

PART NUMBER	IMPEDANCE*		DIMENSION A		DIMENSION B		DIMENSION C	
	@ 25 MHz (Min.)	@ 100 MHz (Typ.)	INCHES	mm	INCHES	mm	INCHES	mm
CFLF-105-55-200	70	90	0.413±0.015	10.5±0.4	0.216±0.007	5.50±0.2	0.787±0.023	20.0±0.6
CFLF-120-73-150	42	60	0.472±0.015	12.0±0.4	0.287±0.011	7.30±0.3	0.590±0.019	15.0±0.5
CFLF-140-90-150	35	55	0.551±0.019	14.0±0.5	0.354±0.011	9.00±0.3	0.590±0.019	15.0±0.5
CFLF-140-90-55	18	42	0.551±0.019	14.0±0.5	0.354±0.011	9.00±0.3	0.216±0.007	5.50±0.2
CFLF-175-95-285	95	120	0.689±0.023	17.5±0.6	0.374±0.011	9.50±0.4	1.122±0.031	28.5±0.8

CFLF SERIES

RoHS Compliant

Low Frequency Cylindrical EMI Suppression Ferrites

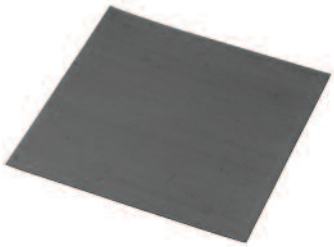


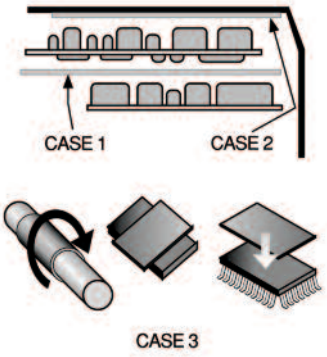
For more detailed graphs, contact Delevan

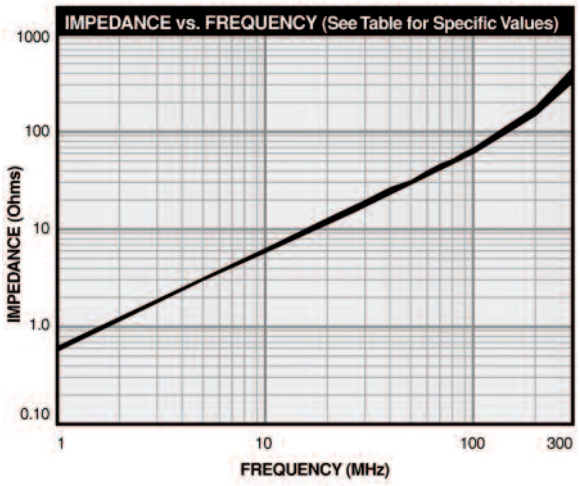
FFAM SERIES

RoHS Compliant

Flexible Ferrite Absorbent Material







Wide Variety of Uses

Case 1 To suppress noise generated between circuit boards, apply between boards.

Case 2 To suppress noise generated by casing, apply directly to casing.

Case 3 To suppress unwanted radiation of noises from LSI, IC and cables. For LSI & IC, apply directly to top surface (Caution - thermal conductivity). For flat cables, apply directly. For round cables, wrap around and apply heatshrink material.

Features

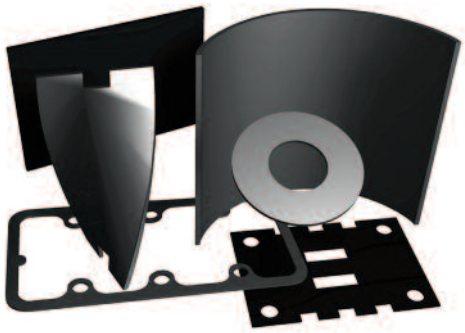
- Provides effective EMI suppression in a wide frequency range (10 MHz to 3 GHz)
- Effective in preventing resonance and suppressing coupling
- Ultra thin (0.25mm through 2.5mm)
- High electrical resistance (10^6 to 10^8 Ohms)
- Non-conductive adhesive backing (UL Recognized) available on one or both sides
- Easy and fast to process
- Extremely flexible

Applications

- Notebook and personal computers, workstations
- Peripheral devices for computers
- Anechoic chambers (irregular surface)
- LNB's for satellite systems
- Wireless equipment
- Mobile communications equipment
- Mobile phones
- Base stations
- Consumer electronics
- Gasketing
- High speed clocks

IMPEDANCE vs. FREQUENCY TABLE

FREQ.	FFAM025	FFAM06	FFAM10	FFAM15	FFAM20	FFAM25
1	0.52	0.57	0.57	0.59	0.59	0.60
10	5.3	5.3	6	6	6	0.60
20	12	12	12	12	12	12
30	17	17	17	17	17	18
40	23	23	23	23	23	24
50	26	28	29	29	29	30
60	35	35	35	35	35	36
70	41	41	41	41	42	43
80	47	47	47	48	48	49
90	54	54	54	54	55	56
100	55	58	60	61	62	63
200	135	144	150	154	155	159
300	303	349	370	395	396	412



Ordering Note (Part Numbering Callout)

FFAM 06 3*3 T1

- **Optional Adhesive Backing** (1 = single-sided -or- 2 = double-sided)
- **Sheet Size** (in mm - 3*3 = 300mm x 300mm square
- **Material Thickness** (in mm - decimal point to the right of 1st character is assumed)
- **Series Designation** - Flexible ferrite absorbent material

Impedance Measurement using HP4191A

Physical Parameters

Available Sizes

Inches	Millimeters
3.93 x 3.93	100 x 100
7.87 x 7.87	200 x 200
11.81 x 11.81	300 x 300
15.75 x 15.75	400 x 400

Thicknesses available

(with MH13008 UL Recognized tape)

	Inches	Millimeters
FFAM025	0.009	0.25
FFAM06	0.024	0.6
FFAM10	0.039	1.0
FFAM15	0.059	1.5
FFAM20	0.079	2.0
FFAM25	0.098	2.5

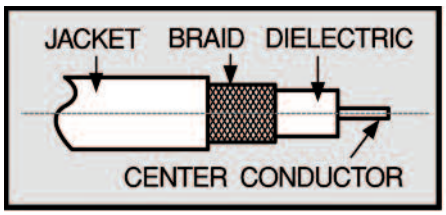
Operating Temperature Range

–55°C to +125°C

FFAT SERIES

RoHS Compliant

Flexible Ferrite Absorbent Tubing



Features

- Provides effective EMI Suppression in a wide Frequency Range (10MHz to 3GHz)
- High electrical resistance (10^6 to 10^8)
- Easy and fast to process
- Extremely flexible
- Six sizes to choose from
- Can be incorporated into the over-molding process on cable assemblies
- Eliminates the task of soldering braid
- Effectively eliminates EMI and RFI problems on internal and external power, data and signal lines

Manufactured length 39.37 inches ± 0.50; 1 meter ± 12.7 mm

Operating Temperature Range –55°C to +125°C

***Note – Impedance Testing** Impedance is typical, based on (10.0") 19 AWG wire, measurement using HP4191A.

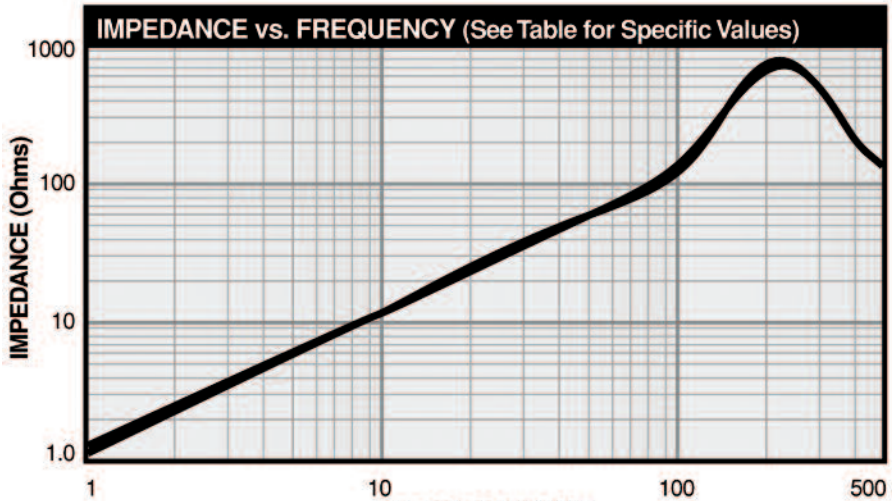
Cable Reference Table

Cable	O.D. Jacket
RG-8A/U	0.405
RG-9B/U	0.420
RG-55	0.176
RG-58	0.150
RG-58A	0.195
RG-59	0.191
RG-62	0.191
RG-62A	0.242
RG-71	0.208
RG-140	0.176
RG-141	0.146
RG-141A	0.190
RG-142	0.171
RG-174	0.080
RG-178	0.054
RG-179	0.084
RG-179B/U	0.100
RG-180	0.124
RG-187	0.084
RG-187A/U	0.110
RG-188	0.081
RG-188A/U	0.110
RG-195	0.124
RG-196	0.054
RG-210/U	0.242
RG-213/U	0.405
RG-214/U	0.425
RG-223	0.176
RG-303	0.146
RG-316	0.081
RG-316 DS	0.102

Information compliments of MegaPhase, 201-D North First Street, Stroudsburg PA 18360

Physical Parameters – Sizes available

Part Number		FFAT-32	FFAT-54	FFAT-65	FFAT-96	FFAT-117	FFAT-1410
Outside Diameter	Inches	0.116	0.196	0.275	0.354	0.43	0.55
	Millimeters	2.9	5	7	9	11	14
Inside Diameter	Inches	0.072	0.157	0.196	0.236	0.275	0.393
	Millimeters	1.8	4	5	6	7	10



For more detailed graphs, contact factory

TABLE 1: Typical Impedance (Ohms) vs. Frequency Sample piece tested 4.0" long

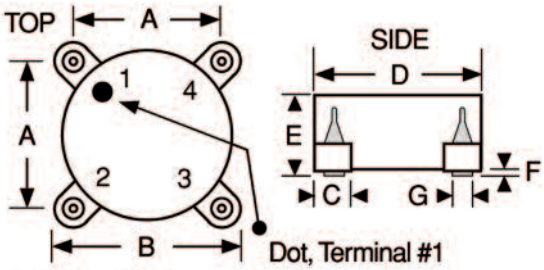
	10 MHz	30 MHz	50 MHz	100 MHz	200 MHz	300 MHz
FFAT-32	11	34	58	140	579	980
FFAT-54	11	34	58	138	583	1004
FFAT-65	10.9	33	56	127	584	705
FFAT-96	11	35	59	134	619	921
FFAT-117	12	35	60	137	656	874
FFAT-1410	12	31	64	149	790	570

SERIES CM6149R CM6149

RoHS Compliant

Traditional First Quality

Surface Mount Low Profile CM Choke



Actual Size

DASH NUMBER*	L1 or L2 INDUCTANCE +35% / -25% (µH)	DC RESISTANCE MAXIMUM (OHMS)	RATED RMS CURRENT (AMPS) MAXIMUM	LEAKAGE INDUCTANCE TYPICAL (µH)
SERIES CM6149 FERRITE CORE				
-253	25	0.010	3.0	0.20
-473	47	0.015	2.5	0.30
-683	68	0.020	2.0	0.40
-104	100	0.030	1.6	0.50
-154	150	0.040	1.3	0.70
-224	220	0.060	1.0	1.10
-334	330	0.090	0.75	1.50
-474	470	0.125	0.60	1.70
-684	680	0.170	0.50	2.00
-105	1000	0.250	0.40	2.80
-125	1200	0.350	0.30	3.50
-155	1500	0.500	0.24	4.30
-225	2200	0.750	0.18	6.00

*Complete part # must include series # PLUS the dash #

Mechanical Configuration A flat top surface mount case with excellent coplanarity of terminals.

Physical Parameters

	Inches	Millimeters
A	0.212 ± 0.010	5.38 ± 0.25
B	0.285 ± 0.010	7.24 ± 0.25
C	0.060 ± 0.010	1.52 ± 0.25
D	0.250 ± 0.010	6.35 ± 0.25
E	0.200 ± 0.010	5.08 ± 0.25
F	0.025 ± 0.010	0.64 ± 0.25
G	0.04 (Ref. only)	1.02 (Ref. only)

Electrical Configuration

1) Inductance and DCR in table is for either L1 or L2.
2) Leakage Inductance tested at L1 with L2 shorted or at L2 with L1 shorted.
3) Windings balanced within 2%
4) Inductance tested @ 10 kHz

Operating Temperature Range -55°C to +105°C

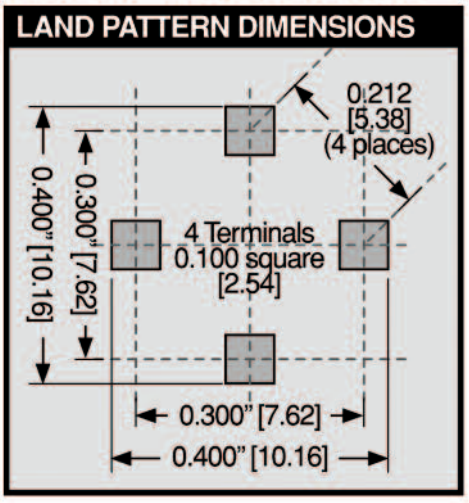
Electrical Characteristics Measured at +25°C

Rated RMS Current Based upon 40°C temperaturerise from 25°C ambient.

Maximum Power Dissipation at 25°C 0.200 Watts

Inductance Tolerance Units are supplied to the tolerance indicated in the table.

Dielectric Withstanding Voltage 500 V RMS, 60Hz



Marking DELEVAN; CM6149, inductance with units. Note: An R after CM6149 indicates a RoHS component. A white dot indicates the location of pin 1.

Example: CM6149-154
DELEVAN
CM6149
150 uH

Packaging Tape & reel (16mm):
13″ reel, 800 pieces max.; 7″ reel not available
Bulk option available

Weight (Grams) 0.5 (Ref.)

SERIES CM6296R CM6296

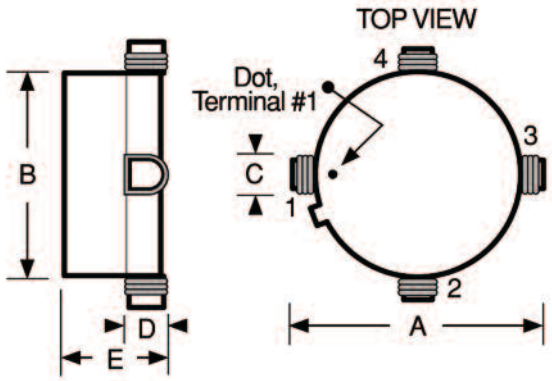
RoHS Compliant

Traditional First Quality

Common Mode Choke/Isolation Transformer

DASH NUMBER*	L1 or L2 INDUCTANCE ±25% (µH)	DC RESISTANCE MAXIMUM (OHMS)	RATED RMS CURRENT (AMPS) MAXIMUM	LEAKAGE INDUCTANCE TYPICAL (µH)
SERIES CM6296 FERRITE CORE				
-253	25	0.014	10.0	0.7
-503	50	0.014	10.0	0.8
-104	100	0.016	9.5	1.4
-154	150	0.016	9.5	1.8
-204	200	0.016	8.5	2.2
-304	300	0.020	7.5	3.3
-454	450	0.024	6.5	4.6
-654	650	0.030	5.5	6.2
-105	1000	0.050	3.5	9.3
-155	1500	0.090	2.5	14.5
-255	2500	0.162	2.2	21.8

*Complete part # must include series # PLUS the dash #



Actual Size

Physical Parameters

	Inches	Millimeters
A	1.058 ± 0.010	26.87 ± 0.25
B	0.870 ± 0.010	22.10 ± 0.25
C	0.210 Typ.	5.33 Typ.
D	0.200 Typ.	5.08 Typ.
E	0.430 Max.	10.74 Max.

Mechanical Configuration Flat top surface mount case with excellent coplanarity of terminals

Operating Temperature –55°C to +125°C

Configuration Two inductors per unit; internal terminals: #1 (start)-#2 (finish) & #4 (start) -#3 (finish)

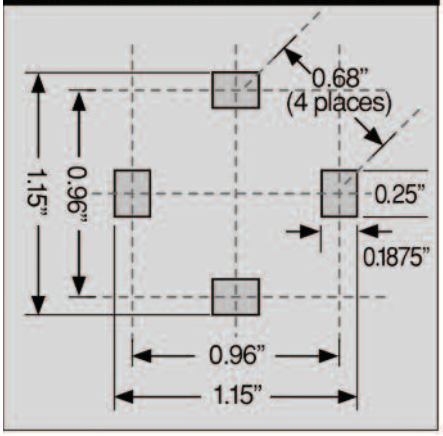
Electrical Configuration
1) Inductance and DCR in table is for either L1 or L2
2) Leakage Inductance tested at L1 with L2 shorted or at L2 with L1 shorted.
3) Windings balanced within 2%
4) Inductance tested @ 1.0kHz

Rated RMS Current Per Winding Based Upon 20°C temperature rise from 25°C ambient

Maximum Power Dissipation at 25°C 2.5 Watts

Dielectric Withstanding Voltage
500 V RMS, 60Hz

LAND PATTERN DIMENSIONS



Marking DELEVAN; part number, inductance with units. A white dot indicates the location of pin 1.

Example: CM6296R-155
DELEVAN
CM6296R-155
1500 uH

Packaging Bulk only

Weight (Grams) 9.0 (Ref.)

SERIES CM6350R CM6350

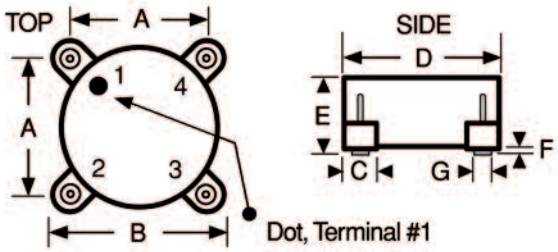
RoHS Compliant

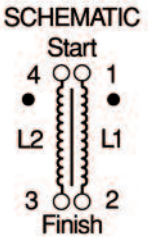
Traditional First Quality

Surface Mount Common Mode Choke

DASH NUMBER*	L1 or L2 INDUCTANCE +35% / -25% (µH)	DC RESISTANCE MAXIMUM (OHMS)	RATED RMS CURRENT (AMPS) MAXIMUM	LEAKAGE INDUCTANCE TYPICAL (µH)
SERIES CM6350 FERRITE CORE				
-333	33	0.007	5.50	0.20
-473	47	0.008	5.00	0.30
-683	68	0.010	4.20	0.42
-104	100	0.014	3.30	0.55
-154	150	0.020	2.70	0.85
-224	220	0.027	2.20	1.20
-334	330	0.040	1.80	1.80
-474	470	0.060	1.50	1.60
-684	680	0.090	1.20	2.10
-105	1000	0.130	0.90	2.80
-155	1500	0.190	0.75	4.20
-225	2200	0.300	0.60	6.00
-335	3300	0.550	0.40	9.00
-475	4700	1.050	0.25	13.00

*Complete part # must include series # PLUS the dash #





Actual Size

Mechanical Configuration A flat top surface mount case with excellent coplanarity of terminals.

Physical Parameters

	Inches	Millimeters
A	0.285 ± 0.010	7.24 ± 0.25
B	0.360 ± 0.010	9.14 ± 0.25
C	0.060 ± 0.010	1.52 ± 0.25
D	0.350 ± 0.010	8.90 ± 0.25
E	0.200 ± 0.010	5.08 ± 0.25
F	0.025 ± 0.010	0.64 ± 0.25
G	0.040 (Ref. only)	1.02 (Ref.only)

Electrical Configuration

1) Inductance and DCR in table is for either L1 or L2.
2) Leakage Inductance tested at L1 with L2 shorted or at L2 with L1 shorted.
3) Windings balanced within 2%
4) Inductance tested @ 10 kHz

Operating Temperature Range –55°C to +105°C

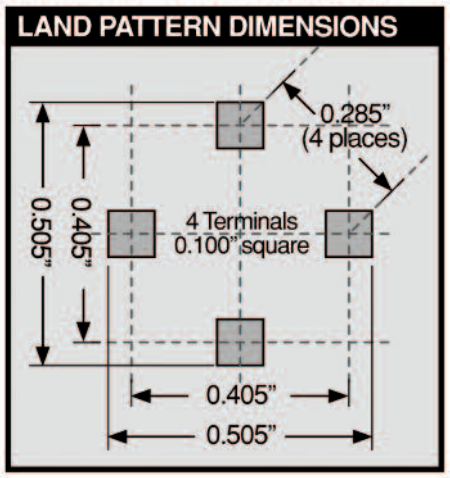
Electrical Characteristics Measured at +25°C

Rated RMS Current Based upon 40°C temperature rise from 25°C ambient

Maximum Power Dissipation at 25°C 0.400 Watts

Inductance Tolerance Units are supplied to the tolerance indicated in the tables @ 10 kHz

Dielectric Withstanding Voltage
500 V RMS, 60Hz



Marking DELEVAN; CM6350, inductance with units. Note: An R after CM6350 indicates a RoHS component. A white dot indicates the location of pin 1.

Example: CM6350-333
DELEVAN
CM6350
33 uH

Packaging Tape & reel (24mm):
13" reel, 600 pieces max.; 7" reel not available
Bulk option available

Weight (Grams) 1.0 (Ref.)

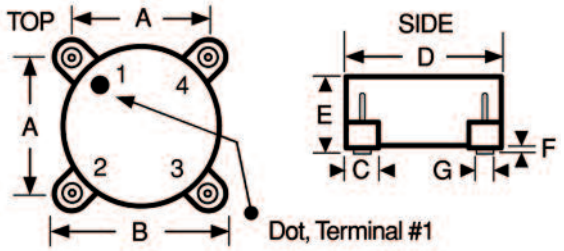
DELEVAN™ A REGAL REXNORD BRAND

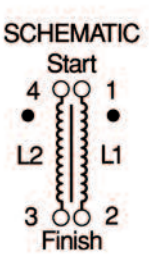
SERIES CM6460R CM6460

RoHS Compliant

Traditional First Quality

Surface Mount Common Mode Choke





Actual Size

DASH NUMBER*	L1 or L2 INDUCTANCE +35% / -25% (µH)	DC RESISTANCE MAXIMUM (OHMS)	RATED RMS CURRENT (AMPS) MAXIMUM	LEAKAGE INDUCTANCE TYPICAL (µH)
SERIES CM6460 FERRITE CORE				
-104	100	0.006	7.00	0.7
-154	150	0.010	5.50	1.0
-224	220	0.012	5.00	1.4
-334	330	0.017	4.00	1.8
-504	500	0.024	3.30	2.2
-754	750	0.035	2.70	3.0
-105	1000	0.049	2.20	4.0
-125	1200	0.068	1.70	5.0
-185	1800	0.106	1.40	5.5
-225	2200	0.150	1.10	7.0
-335	3300	0.210	0.85	9.5
-505	5000	0.320	0.70	14.0
-755	7500	0.640	0.44	22.0
-106	10000	0.900	0.33	29.0

*Complete part # must include series # PLUS the dash #

Mechanical Configuration A flat top surface mount case with excellent coplanarity of terminals.

Physical Parameters

	Inches	Millimeters
A	0.400 ± 0.010	10.16 ± 0.25
B	0.530 ± 0.010	13.46 ± 0.25
C	0.125 ± 0.010	3.17 ± 0.25
D	0.490 ± 0.010	12.44 ± 0.25
E	0.290 ± 0.010	7.37 ± 0.25
F	0.030 ± 0.010	0.76 ± 0.25
G	0.060 (Ref. only)	1.52 (Ref. only)

Electrical Configuration

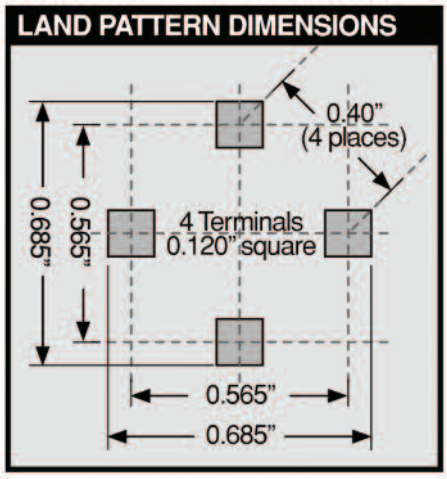
1) Inductance and DCR in table is for either L1 or L2.
2) Leakage Inductance tested at L1 with L2 shorted or at L2 with L1 shorted.
3) Windings balanced within 2%
4) Inductance tested @ 10 kHz

Operating Temperature Range –55°C to +105°C

Electrical Characteristics Measured at +25°C

Rated RMS Current Based upon 40°C temperature rise from 25°C ambient

Maximum Power Dissipation at 25°C 0.605 Watts



Inductance Tolerance Units are supplied to the tolerance indicated in the tables @ 10KHz

Dielectric Withstanding Voltage
500 V RMS, 60Hz

Marking Parts are printed with Delevan, Inductance Value, and dot at terminal #1.

Packaging Tape & reel (24mm):
13" reel, 350 pieces max.; 7" reel not available
Bulk option available

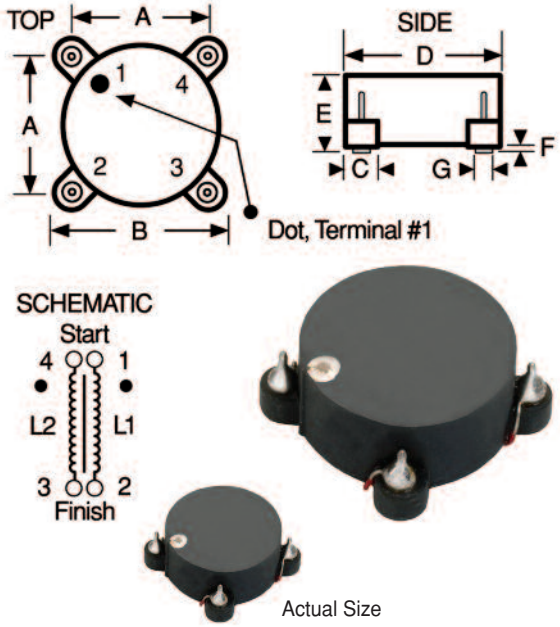
Weight (Grams) 2.5 (Ref.)

SERIES CM6560R CM6560

RoHS Compliant

Traditional First Quality

Surface Mount Common Mode Choke



DASH NUMBER*	L1 or L2 INDUCTANCE +35% / -25% (µH)	DC RESISTANCE MAXIMUM (OHMS)	RATED RMS CURRENT (AMPS) MAXIMUM	LEAKAGE INDUCTANCE TYPICAL (µH)
SERIES CM6560 FERRITE CORE				
-104	100	0.005	8.50	0.9
-184	180	0.007	7.00	1.2
-334	330	0.015	4.80	2.7
-504	500	0.023	3.60	4.5
-754	750	0.034	3.00	6.8
-105	1000	0.047	2.40	8.6
-185	1800	0.080	1.90	13.0
-225	2200	0.105	1.50	19.0
-335	3300	0.160	1.20	18.0
-505	5000	0.240	0.95	26.0
-755	7500	0.360	0.75	35.0
-106	10000	0.530	0.55	45.0
-126	12000	0.730	0.45	55.0
-156	15000	1.100	0.35	68.0

*Complete part # must include series # PLUS the dash #

Mechanical Configuration
A flat top surface mount case with excellent coplanarity of terminals.

Physical Parameters

	Inches	Millimeters
A	0.495 ± 0.010	12.6 ± 0.25
B	0.650 Max.	16.5 Max.
C	0.175 (Ref. only)	4.44 (Ref. only)
D	0.620 ± 0.010	15.8 ± 0.25
E	0.335 Max.	8.5 Max.
F	0.035 ± 0.010	0.89 ± 0.25
G	0.070 (Ref. only)	1.78 (Ref. only)

Electrical Configuration
1) Inductance and DCR in table is for either L1 or L2.
2) Leakage Inductance tested at L1 with L2 shorted or at L2 with L1 shorted.
3) Windings balanced within 2%
4) Inductance tested @ 10 kHz

Operating Temperature Range –55°C to +105°C

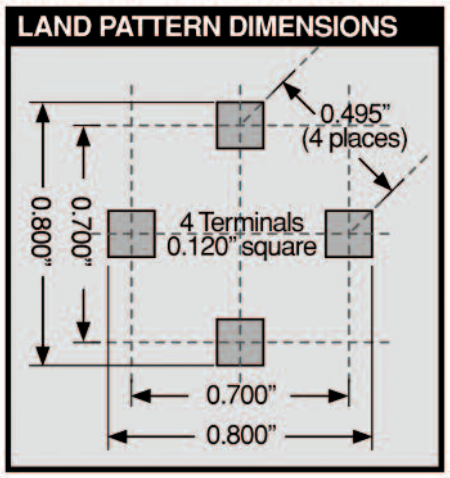
Electrical Characteristics Measured at +25°C

Rated RMS Current Based upon 40°C temperature rise from 25°C ambient.

Maximum Power Dissipation at 25°C 0.725 Watts

Inductance Tolerance Units are supplied to the tolerance indicated in the tables @ 10kHz.

Dielectric Withstanding Voltage
500 V RMS, 60Hz



Marking DELEVAN; CM6560, inductance with units. Note: An R after CM6560 indicates a RoHS component. A white dot indicates the location of pin 1.

Example: CM6560R-104
DELEVAN
CM6560R
100 uH.

Packaging Tape & reel (24mm): 13" reel, 350 pieces max.
7" reel not available
Bulk option available

Weight (Grams) 4.0 (Ref.)

DELEVAN™ A REGAL REXNORD BRAND

SERIES CM6594R CM6594

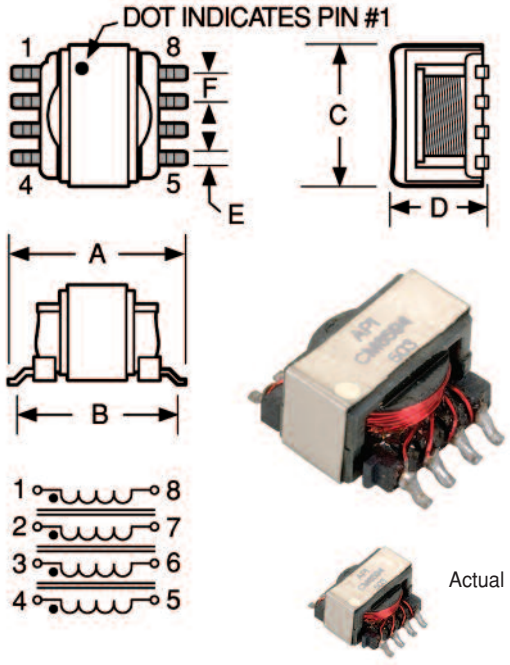
RoHS Compliant

Traditional First Quality

4-Winding Surface Mount Transformers

SERIES CM6594 FERRITE CORE				
DASH NUMBER*	INDUCTANCE EACH WINDING ±25% (µH)	MAXIMUM LEAKAGE INDUCTANCE (µH)**	DC RESISTANCE MAXIMUM (OHMS) EACH WINDING	CURRENT RATING MAXIMUM (AMPS) EACH WINDING
-253	25	0.90	0.04	1.00
-503	50	1.10	0.07	0.90
-104	100	1.30	0.13	0.75
-154	150	1.50	0.19	0.60
-254	250	1.70	0.32	0.50
-504	500	4.30	0.56	0.45
-754	750	6.80	0.90	0.38
-105	1000	6.95	1.19	0.30
-155	1500	7.00	1.90	0.25

*Complete part # must include series # PLUS the dash #



Physical Parameters

	Inches	Millimeters	
A	0.435 to 0.465	11.05 to 11.81	
B	0.385 to 0.405	9.78 to 10.29	
C	0.375 to 0.405	9.53 to 10.29	
D	0.205 to 0.235	5.21 to 5.97	
E (8 places)		0.028 Typ.	0.71 Typ.
F (6 places)		0.079 Typ.	2.00 Typ.

Mechanical Configuration
ER Core on an 8 Pin Surface Mount Base

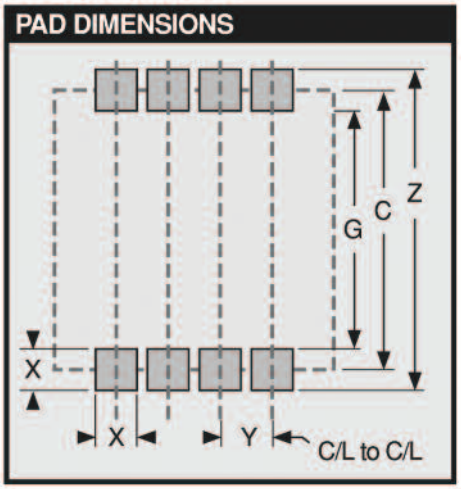
Operating Temperature Range –20°C to +80°C

Maximum Power Dissipation at 25°C 0.140 W

Dielectric Withstanding Voltage
500V RMS, 60Hz, 5 sec.

Current Rating Current which will cause less than a +35°C temperature rise maximum, from +25°C Ambient, with all windings connected in series

Notes ** **1)** Max. leakage inductance measured @ 1 kHz on Pin 1-8 with all other pins shorted. **2)** Board connections may be altered to create different transformer/inductor configurations.



Pad Dimensions

	Inches	Millimeters
C	0.425	10.80
G	0.368	9.35
X	0.063	1.60
Y	0.079	2.00
Z	0.492	12.50

Marking API; CM6594, dash number. Note: An R after CM6594 indicates a RoHS component. A dot indicates the location of pin 1.

Example: CM6594-503
API
CM6594
503

Packaging Tape & reel (24mm): 13" reel, 600 pieces max.
7" reel not available
Bulk option available

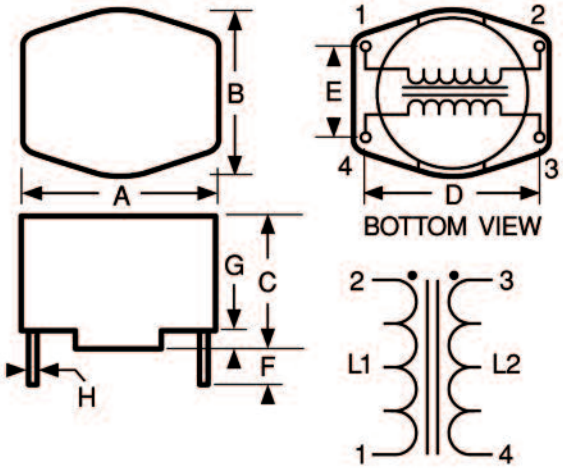
SERIES CM1011R CM1011

RoHS Compliant

Traditional First Quality

Horizontal PC Mount
Epoxy Potted Common Mode Chokes

Actual Size



DASH NUMBER*	L (uH), L1 or L2 @ 1 kHz ±25%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (AMPS)	LEAKAGE INDUCTANCE MAXIMUM (µH)
SERIES CM1011 FERRITE CORE				
-104	100	0.004	12	6
-254	250	0.006	10	9
-504	500	0.008	8.6	12
-754	750	0.013	6.7	15
-105	1000	0.018	5.7	19
-175	1700	0.060	3.1	26
-255	2500	0.073	2.8	32
-335	3300	0.125	2.2	51
-505	5000	0.150	2.0	72
-755	7500	0.300	1.4	94
-106	10000	0.390	1.2	103

*Complete part # must include series # PLUS the dash #

Marking DELEVAN; part number; inductance with units.

Example: CM1011-104
DELEVAN
CM1011-104
100uH

Packaging Bulk only

Weight (Grams) 25.0 (Ref.)

Physical Parameters

	Inches	Millimeters
A	1.10 ± 0.03	27.9 ± 0.76
B	1.10 ± 0.03	27.9 ± 0.76
C	0.70 ± 0.03	17.8 ± 0.76
D	1.00 ± 0.03	25.4 ± 0.76
E	0.600 ± 0.03	15.2 ± 0.76
F	0.200 Min.	5.08 Min.
G	0.075 (Ref. only)	1.91 (Ref. only)
H	0.032 ± 0.004	0.81 ± 0.10

Operating Temperature Range –55°C to +125°C

Current Rating at 85°C Ambient 40°C Rise

Mechanical Configuration Epoxy potted winding assembly. Case is high-temperature DAP.

Notes

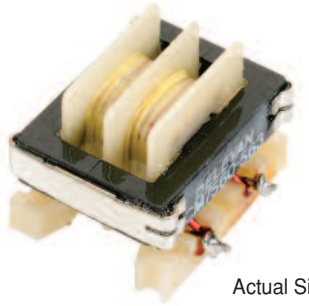
1) Inductance in table is for either L I or L2.
2) Leakage Inductance tested at L I with L2 shorted or at L2 with L I shorted.
3) Windings balanced within 2%

SERIES CM7560R CM7560

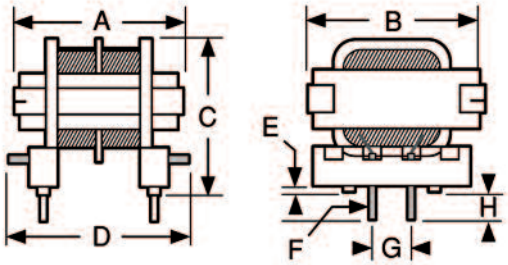
RoHS Compliant

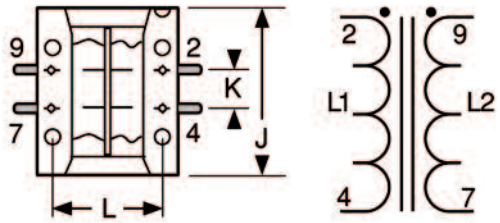
Traditional First Quality

PC Mount Common Mode Choke



Actual Size





Physical Parameters

	Inches	Millimeters
A	0.860 ± 0.025	21.8 ± 0.64
B	1.070 ± 0.050	27.2 ± 1.27
C	0.830 ± 0.030	21.1 ± 0.76
D	1.060 (Ref. only)	26.9 (Ref. only)
E	0.040 ± 0.025	1.0 ± 0.64
F	0.025 Sq. (Typ.)	0.64 Sq. (Typ.)
G	0.400 ± 0.010	10.2 ± 0.3
H	0.175 ± 0.015	4.4 ± 0.38
J	1.03 (Ref. only)	26.2 (Ref. only)
K	0.400 ± 0.010	10.2 ± 0.3
L	0.630 + 0.010	16.0 ± 0.3

Operating Temperature Range –55°C to +125°C

Current Rating at 85°C Ambient 40°C Rise

Mechanical Configuration Tape wrapped winding sections; varnish impregnated assembly

Notes 1) Inductance in table is for either LI or L2. **2)** Leakage Inductance tested at LI with L2 shorted or at L2 with LI shorted. **3)** Windings balanced within 1%.

DASH NUMBER*	L (uH), L1 or L2 @ 1 kHz ±25%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (AMPS)	LEAKAGE INDUCTANCE MAXIMUM (µH)
SERIES CM7560 FERRITE CORE				
-563	56	0.013	5.5	3.5
-683	68	0.013	5.5	3.5
-823	82	0.013	5.5	3.5
-104	100	0.013	5.5	3.5
-124	120	0.015	5.5	4.5
-154	150	0.015	5.5	6.0
-184	180	0.019	4.5	7.0
-224	220	0.020	4.5	7.5
-274	270	0.025	4.5	9.0
-334	330	0.025	3.5	12
-474	470	0.030	3.5	14
-564	560	0.035	3.5	18
-684	680	0.040	3.5	20
-824	820	0.060	2.8	24
-105	1000	0.065	2.8	30
-125	1200	0.095	2.2	35
-155	1500	0.115	1.7	40
-185	1800	0.125	1.7	45
-225	2200	0.170	1.4	55
-275	2700	0.180	1.4	75
-335	3300	0.320	1.1	90
-395	3900	0.400	1.1	100
-475	4700	0.450	0.88	130
-565	5600	0.500	0.88	175
-685	6800	0.600	0.88	220
-825	8200	0.750	0.88	230
-106	10000	0.800	0.70	250
-126	12000	0.900	0.70	300
-156	15000	1.00	0.70	350
-186	18000	1.30	0.55	425
-226	22000	1.50	0.55	475
-276	27000	1.80	0.44	550
-336	33000	2.20	0.44	650
-396	39000	2.60	0.44	800
-476	47000	3.00	0.44	900
-566	56000	4.00	0.35	1100
-686	68000	5.00	0.27	1300
-826	82000	5.50	0.27	1800
-107	100000	6.40	0.27	2100
-127	120000	7.80	0.22	2600
-157	150000	9.00	0.22	3000

*Complete part # must include series # PLUS the dash #

Marking DELEVAN; part number.

Example: CM7560-563
DELEVAN
CM7560-563

Packaging Bulk only

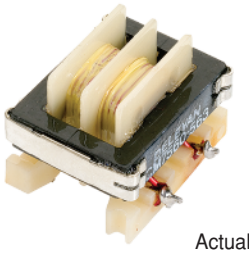
DELEVAN™ A REGAL REXNORD BRAND

SERIES CM9900R CM9900

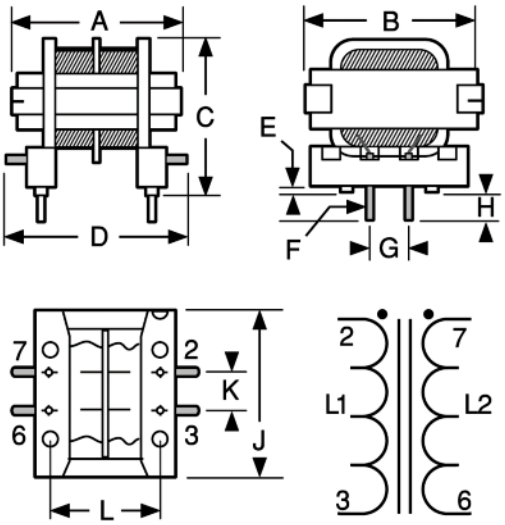
RoHS Compliant

Traditional First Quality

PC Mount Common Mode Chokes



Actual Size



Physical Parameters

	Inches	Millimeters
A	0.740	18.8
B	0.840	21.3
C	0.670	17.0
D	0.900	22.9
E	0.040	1.0
F	0.025	0.64
G	0.200	5.1
H	0.175	4.4
J	0.750	19.1
K	0.200	5.1
L	0.515	13.1

All dimensions are typical

Operating Temperature Range –55°C to +125°C

Current Rating at 80°C Ambient 40°C rise

Mechanical Configuration Tape wrapped winding sections; varnish impregnated assembly.

Notes **1)** Inductance in table is for either L1 or L2.
2) Leakage Inductance tested at L1 with L2 shorted or at L2 with L1 shorted.
3) Windings balanced within 1%.

Packaging Bulk only

DASH NUMBER*	L (uH), L1 or L2 @ 1 kHz ±25%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (AMPS)	LEAKAGE INDUCTANCE TYPICAL (µH)
SERIES CM9900 FERRITE CORE				
-473	47	0.016	3.5	4.0
-563	56	0.018	3.5	4.0
-683	68	0.019	3.5	5.0
-823	82	0.023	2.8	5.5
-104	100	0.025	2.8	6.0
-124	120	0.028	2.8	6.5
-154	150	0.030	2.8	7.5
-184	180	0.038	2.2	8.0
-224	220	0.044	2.2	9.0
-274	270	0.051	2.2	10
-334	330	0.058	1.7	11
-474	470	0.078	1.4	16
-564	560	0.091	1.4	18
-684	680	0.115	1.1	20
-824	820	0.131	1.1	25
-105	1000	0.194	0.88	35
-125	1200	0.219	0.88	47
-155	1500	0.278	0.70	49
-185	1800	0.306	0.70	59
-225	2200	0.431	0.55	76
-275	2700	0.469	0.55	91
-335	3300	0.531	0.55	101
-395	3900	0.669	0.44	135
-475	4700	0.760	0.44	158
-565	5600	0.853	0.44	196
-685	6800	1.24	0.35	257
-825	8200	1.40	0.35	296
-106	10000	1.61	0.35	362
-126	12000	1.98	0.27	410
-156	15000	2.24	0.27	503
-186	18000	2.45	0.27	602
-226	22000	3.49	0.22	730
-276	27000	4.60	0.17	870
-336	33000	5.21	0.17	1150
-396	39000	7.19	0.13	1300
-476	47000	7.80	0.13	1541
-566	56000	8.69	0.13	1875
-686	68000	9.69	0.13	2254
-826	82000	13.10	0.10	2702
-107	100000	14.60	0.10	3269
-127	120000	16.00	0.10	3456

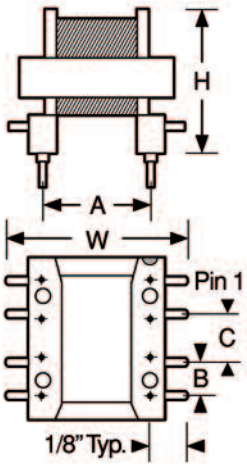
*Complete part # must include series # PLUS the dash #

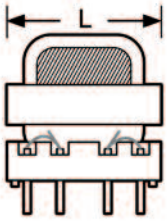
SERIES 6655R-6658R 6655-6658

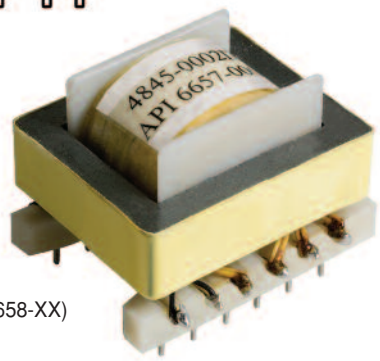
RoHS Compliant

Traditional First Quality

Switchmode Transformers on Ferrite E Cores







Actual Size (6658-XX)

Power Ranges up to 500 Watts
Frequency Range 10 kHz-250 kHz
UL Approved Class 130°C Insulation System
Standardized Components Fast Samples/Delivery
Easy Printed Circuit Board Insertion

Uses "Standard" E cores
UnGapped as well as Gapped Available
Suitable for use in all types of switching power supply circuits including:

- ▶ Flyback
- ▶ Forward
- ▶ Pushpull
- ▶ Halfbridge
- ▶ Fullbridge

Physical Parameters & Mounting Information

	L	W	H	A	B	C	# of Pins	Al Ungapped	Al Gapped
6655-XX	0.750	0.868	0.625	0.510	0.150	0.200	8	1450	105
6656-XX	1.030	1.046	0.797	0.660	0.150	0.200	10	2100	152
6657-XX	1.470	1.279	1.000	0.860	0.150	0.200	12	3230	234
6658-XX	1.620	1.359	1.130	0.950	0.200	0.250	12	5400	391

Design Form (General): Photocopy, fill out and fax for fast response

Type
☐ Flyback
☐ Forward
☐ PushPull
☐ HalfBridge
☐ FullBridge
☐ UnGapped
☐ Gapped

Size
☐ 6655
☐ 6656
☐ 6657
☐ 6658

Special Features
☐ Kool Mu Core
☐ Faraday Shield

Frequency Range _____ to _____ Hz ☐ Continuous ☐ Discontinuous

Power _____ Watts (Continuous) Duty Cycle _____

Input Voltage _____ Min. / _____Max. Number of Output Voltages _____

	Output 1	**Output 2**	**Output 3**	**Output 4**
Voltage	_____	_____	_____	_____
Current	_____	_____	_____	_____
Inductance	_____	_____	_____	_____
DCR	_____	_____	_____	_____

Dielectric Withstand Voltage _____ Operating Temperature _____ @ _____

Construction Specifications (If Applicable):

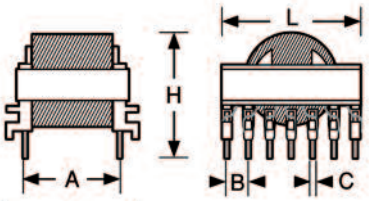
Winding #	**1**	**2**	**3**	**4**
Winding Description	_____	_____	_____	_____
Total Turns	_____	_____	_____	_____
Tap Turns	_____	_____	_____	_____
Wire Size	_____	_____	_____	_____
Wire Type	_____	_____	_____	_____
Start Pin	_____	_____	_____	_____
Finish Pin	_____	_____	_____	_____

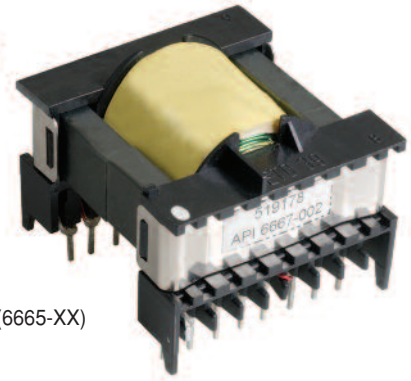
SERIES 6665R-6668R 6665-6668

RoHS Compliant

Traditional First Quality

Switchmode Transformers on Ferrite ETD Cores





Actual Size (6665-XX)

Physical Parameters & Mounting Information							
	L	W	H	A	B	# of Pins	C (Square)
6665-XX	1.390	1.390	0.950	1.000	0.200	13	0.028
6666-XX	1.679	1.685	1.375	1.000	0.200	14	0.039
6667-XX	1.876	1.882	1.480	1.200	0.200	16	0.039
6668-XX	2.061	2.055	1.590	1.400	0.200	18	0.039

Power Ranges up to 500 Watts

Frequency Range 10 kHz-250 kHz

UL Approved Class 130°C Insulation System

Standardized Components Fast Samples/Delivery

Easy Printed Circuit Board Insertion

Uses "Standard" ETD cores
UnGapped as well as Gapped Available
Suitable for use in all types of switching power supply circuits including:

- Flyback
- Forward
- Pushpull
- Halfbridge
- Fullbridge

Design Form (General): Photocopy, fill out and fax for fast response

Type ☐ Flyback ☐ Forward ☐ PushPull ☐ HalfBridge ☐ FullBridge ☐ UnGapped ☐ Gapped

Size ☐ 6665 ☐ 6666 ☐ 6667 ☐ 6668

Frequency Range _____ to _____ Hz ☐ Continuous ☐ Discontinuous

Power _____ Watts (Continuous) Duty Cycle _____

Input Voltage _____ Min. / _____Max. Number of Output Voltages _____

	Output 1	Output 2	Output 3	Output 4
Voltage	_____	_____	_____	_____
Current	_____	_____	_____	_____
Inductance	_____	_____	_____	_____
DCR	_____	_____	_____	_____

Dielectric Withstand Voltage _____ Operating Temperature _____ @ _____

Construction Specifications (If Applicable):

Winding #	**1**	**2**	**3**	**4**
Winding Description	_____	_____	_____	_____
Total Turns	_____	_____	_____	_____
Tap Turns	_____	_____	_____	_____
Wire Size	_____	_____	_____	_____
Wire Type	_____	_____	_____	_____
Start Pin	_____	_____	_____	_____
Finish Pin	_____	_____	_____	_____

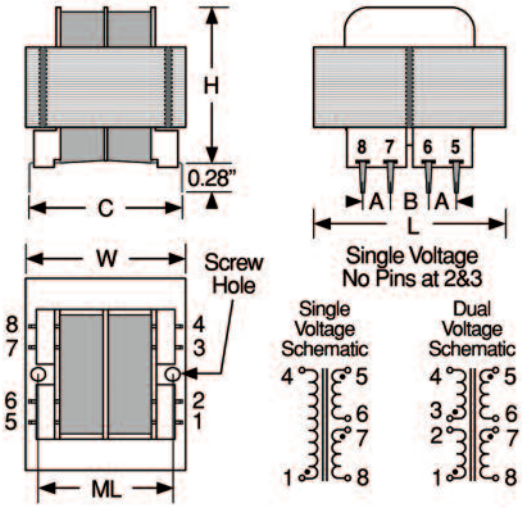
SERIES

RoHS Compliant

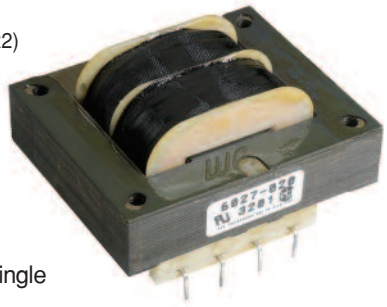
6012R–6017R & 6022R–6027R
6012–6017 & 6022–6027

Traditional First Quality

Horizontal PC Power Transformers



Actual Size (60x2)



UL Certified
Recognized component
Underwriters Labs, Inc.
CSA Labeled

Primary Voltage
Series 6012 - 6017 115 Single
Series 6022 - 6027 115 - 230 Dual

To Order For Single Voltage, insert numeral 1 for "x" in Part Number listed in tables; for Dual Voltage, insert numeral 2 for "x" in Part Number listed in tables.

Operating Frequency 50/60 Hz

Operating Temperature 130° C

2500 V RMS Hipot

Split bobbin non-concentric winding

Dots on schematic indicate like polarity

Note Series 6017 and 6027 – 4 mounting holes $2\frac{3}{16}$ in. x $1\frac{3}{4}$ in. for #6 screw

*Complete part # must include series # PLUS the dash #

PART NUMBER*	VA	SECONDARY VOLTAGE SERIES CONNECTION	SECONDARY VOLTAGE PARALLEL CONNECTION	SECONDARY CURRENT SERIES CONNECTION	SECONDARY CURRENT PARALLEL CONNECTION
60x2-010	1.1	10.0	5.0	0.110	0.220
60x2-012	1.1	12.6	6.3	0.090	0.180
60x2-016	1.1	16.0	8.0	0.070	0.140
60x2-020	1.1	20.0	10.0	0.055	0.110
60x2-024	1.1	24.0	12.0	0.045	0.090
60x2-028	1.1	28.0	14.0	0.040	0.080
60x2-036	1.1	36.0	18.0	0.030	0.060
60x2-048	1.1	48.0	24.0	0.023	0.046
60x2-056	1.1	56.0	28.0	0.020	0.040
60x2-120	1.1	120.	60.0	0.010	0.020
60x3-010	2.4	10.0	5.0	0.250	0.500
60x3-012	2.4	12.6	6.3	0.200	0.400
60x3-016	2.4	16.0	8.0	0.150	0.300
60x3-020	2.4	20.0	10.0	0.120	0.240
60x3-024	2.4	24.0	12.0	0.100	0.200
60x3-028	2.4	28.0	14.0	0.085	0.170
60x3-036	2.4	36.0	18.0	0.065	0.130
60x3-048	2.4	48.0	24.0	0.050	0.100
60x3-056	2.4	56.0	28.0	0.045	0.090
60x3-120	2.4	120.	60.0	0.020	0.040
60x4-010	6.0	10.0	5.0	0.600	1.200
60x4-012	6.0	12.6	6.3	0.500	1.000
60x4-016	6.0	16.0	8.0	0.400	0.800
60x4-020	6.0	20.0	10.0	0.300	0.600
60x4-024	6.0	24.0	12.0	0.250	0.500
60x4-028	6.0	28.0	14.0	0.200	0.400
60x4-036	6.0	36.0	18.0	0.170	0.340
60x4-048	6.0	48.0	24.0	0.125	0.250
60x4-056	6.0	56.0	28.0	0.110	0.220
60x4-120	6.0	120.	60.0	0.050	0.100
60x5-010	12.	10.0	5.0	1.200	2.400
60x5-012	12.	12.6	6.3	1.000	2.000
60x5-016	12.	16.0	8.0	0.800	1.600
60x5-020	12.	20.0	10.0	0.600	1.200
60x5-024	12.	24.0	12.0	0.500	1.000
60x5-028	12.	28.0	14.0	0.420	0.840
60x5-036	12.	36.0	18.0	0.350	0.700
60x5-048	12.	48.0	24.0	0.250	0.500
60x5-056	12.	56.0	28.0	0.220	0.440
60x5-120	12.	120.	60.0	0.100	0.200
60x6-010	20.	10.0	5.0	2.000	4.000
60x6-012	20.	12.6	6.3	1.600	3.200
60x6-016	20.	16.0	8.0	1.250	2.500
60x6-020	20.	20.0	10.0	1.000	2.000
60x6-024	20.	24.0	12.0	0.800	1.600
60x6-028	20.	28.0	14.0	0.700	1.400
60x6-036	20.	36.0	18.0	0.550	1.100
60x6-048	20.	48.0	24.0	0.400	0.800
60x6-056	20.	56.0	28.0	0.350	0.700
60x6-120	20.	120.	60.0	0.160	0.320
60x7-010	36.	10.0	5.0	3.600	7.200
60x7-012	36.	12.6	6.3	2.850	5.700
60x7-016	36.	16.0	8.0	2.250	4.500
60x7-020	36.	20.0	10.0	1.800	3.600
60x7-024	36.	24.0	12.0	1.500	3.000
60x7-028	36.	28.0	14.0	1.300	2.600
60x7-036	36.	36.0	18.0	1.000	2.000
60x7-048	36.	48.0	24.0	0.750	1.500
60x7-056	36.	56.0	28.0	0.650	1.300
60x7-120	36.	120.	60.0	0.300	0.600

Physical Parameters & Mounting Information

	L		W		H		A		B		C		ML		Screw Size	Weight	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		lbs.	grams
60x2	1.38	34.93	1.13	28.58	0.94	23.81	0.25	6.35	0.25	6.35	1.20	30.48	—	—	none	0.17	77
60x3	1.38	34.93	1.13	28.58	1.19	30.16	0.25	6.35	0.25	6.35	1.20	30.48	—	—	none	0.25	113
60x4	1.63	41.28	1.31	33.34	1.31	33.34	0.25	6.35	0.35	8.89	1.28	32.51	1.06	26.99	4-40	0.44	200
60x5	1.88	47.63	1.56	39.69	1.44	36.51	0.30	7.62	0.40	10.16	1.41	35.81	1.25	31.75	4-40	0.70	317
60x6	2.25	57.15	1.88	47.63	1.44	36.51	0.30	7.62	0.40	10.16	1.60	40.64	1.50	38.10	4-40	0.80	363
60x7	2.63	66.68	2.19	55.56	1.56	39.69	0.40	10.16	0.40	10.16	1.85	46.99	— See Note —			1.10	499

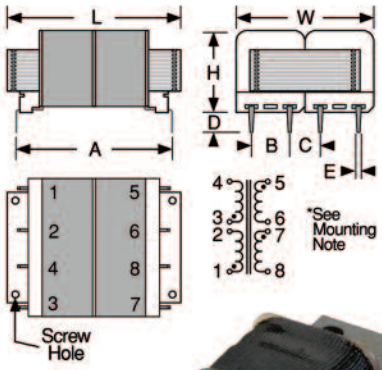
SERIES

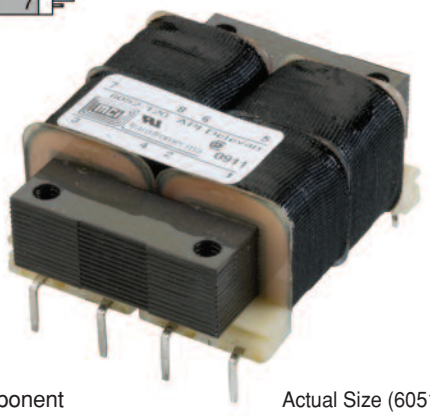
6051R – 6055R
6051 – 6055

RoHS Compliant

Traditional First Quality

Low Profile PC Power Transformers





Actual Size (6051)

UL Certified
Recognized component
Underwriters Labs, Inc.
CSA Labeled

Primary Voltage 115/230 V

Operating Frequency 50/60 Hz

Operating Temperature 130° C
1500 V RMS Hipot
Split bobbin non-concentric winding
Dots on schematic indicate like polarity

Mounting Note
Series 6051, 6052 and 6053 – 4 mounting holes
23⁄16 in. x 13⁄4 in. for #6 screw
Series 6054 and 6055 – 2 mounting holes
*See mechanical drawing for correct PCB footprint.

*Complete part # must include series # PLUS the dash #

PART NUMBER*	VA	SECONDARY VOLTAGE SERIES CONNECTION (V)	SECONDARY VOLTAGE PARALLEL CONNECTION (V)	SECONDARY CURRENT SERIES CONNECTION (A)	SECONDARY CURRENT PARALLEL CONNECTION (A)
6051-010	2.5	10.0	5.0	0.250	0.500
6051-012	2.5	12.6	6.3	0.200	0.400
6051-016	2.5	16.0	8.0	0.156	0.312
6051-020	2.5	20.0	10.0	0.125	0.250
6051-024	2.5	24.0	12.0	0.104	0.208
6051-034	2.5	34.0	17.0	0.073	0.146
6051-040	2.5	40.0	20.0	0.062	0.124
6051-056	2.5	56.0	28.0	0.044	0.088
6051-088	2.5	88.0	44.0	0.028	0.056
6051-120	2.5	120.	60.0	0.020	0.040
6051-230	2.5	230.	115.	0.010	0.020
6052-010	6.0	10.0	5.0	0.600	1.200
6052-012	6.0	12.6	6.3	0.450	0.900
6052-016	6.0	16.0	8.0	0.350	0.700
6052-020	6.0	20.0	10.0	0.300	0.600
6052-024	6.0	24.0	12.0	0.250	0.500
6052-034	6.0	34.0	17.0	0.170	0.340
6052-040	6.0	40.0	20.0	0.150	0.300
6052-056	6.0	56.0	28.0	0.100	0.200
6052-088	6.0	88.0	44.0	0.065	0.130
6052-120	6.0	120.	60.0	0.050	0.100
6052-230	6.0	230.	115.	0.025	0.050
6053-010	12.0	10.0	5.0	1.200	2.400
6053-012	12.0	12.6	6.3	0.900	1.800
6053-016	12.0	16.0	8.0	0.700	1.400
6053-020	12.0	20.0	10.0	0.600	1.200
6053-024	12.0	24.0	12.0	0.500	1.000
6053-034	12.0	34.0	17.0	0.340	0.680
6053-040	12.0	40.0	20.0	0.300	0.600
6053-056	12.0	56.0	28.0	0.200	0.400
6053-088	12.0	88.0	44.0	0.130	0.260
6053-120	12.0	120.	60.0	0.100	0.200
6053-230	12.0	230.	115.	0.050	0.100
6054-010	24.0	10.0	5.0	2.400	4.800
6054-012	24.0	12.6	6.3	1.900	3.800
6054-016	24.0	16.0	8.0	1.500	3.000
6054-020	24.0	20.0	10.0	1.200	2.400
6054-024	24.0	24.0	12.0	1.000	2.000
6054-030	24.0	30.0	15.0	0.800	1.600
6054-034	24.0	34.0	17.0	0.700	1.400
6054-040	24.0	40.0	20.0	0.600	1.200
6054-056	24.0	56.0	28.0	0.425	0.850
6054-088	24.0	88.0	44.0	0.275	0.550
6054-120	24.0	120.	60.0	0.200	0.400
6054-230	24.0	230.	115.	0.100	0.200
6055-010	48.0	10.0	5.0	4.800	9.600
6055-012	48.0	12.6	6.3	3.800	7.600
6055-016	48.0	16.0	8.0	3.000	6.000
6055-020	48.0	20.0	10.0	2.400	4.800
6055-024	48.0	24.0	12.0	2.000	4.000
6055-030	48.0	30.0	15.0	1.600	3.200
6055-034	48.0	34.0	17.0	1.400	2.800
6055-040	48.0	40.0	20.0	1.200	2.400
6055-056	48.0	56.0	28.0	0.850	1.700
6055-088	48.0	88.0	44.0	0.550	1.100
6055-120	48.0	120.	60.0	0.400	0.800
6055-230	48.0	230.	115.	0.200	0.400

Physical Parameters & Mounting Information

	L		W		H		A		B		C		D		E		Weight	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	oz.	kg
6051	1.88	47.62	1.56	39.68	0.65	16.50	1.60	40.63	0.38	9.53			0.25	6.35	0.041	1.04	5	.142
6052	1.88	47.62	1.56	39.68	0.85	21.59	1.60	40.63	0.38	9.53			0.25	6.35	0.041	1.04	7	.219
6053	2.50	63.49	2.00	50.80	1.07	27.05	2.00	50.79	0.50	12.69			0.25	6.35	0.041	1.04	11	.312
6054	2.88	73.02	2.25	57.15	1.25	31.74	1.90	48.26	0.60	15.24	0.53	13.46	0.25	6.35	0.041	1.04	15	.426
6055	3.13	79.37	2.50	63.50	1.38	34.92	2.18	55.37	0.60	15.24	0.66	16.76	0.25	6.35	0.041	1.04	21	.596

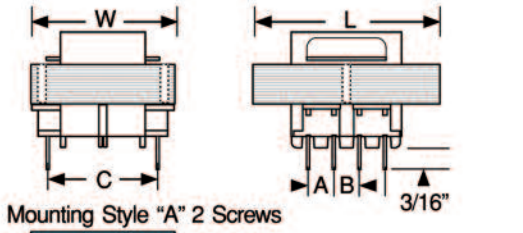
SERIES

6443R-6448R
6443-6448

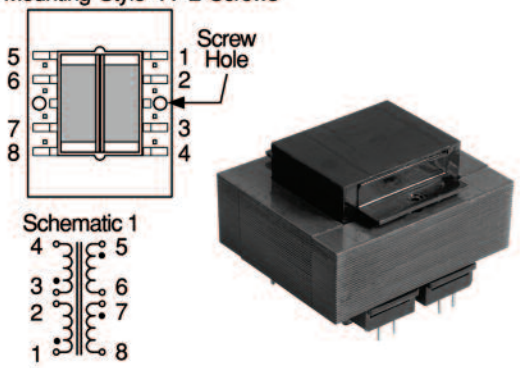
RoHS Compliant

Traditional First Quality

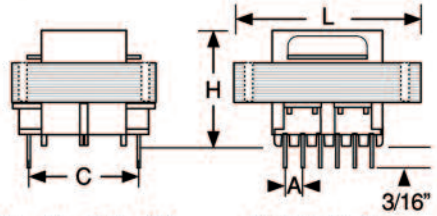
VDE PC Mount Transformers



Mounting Style "A" 2 Screws

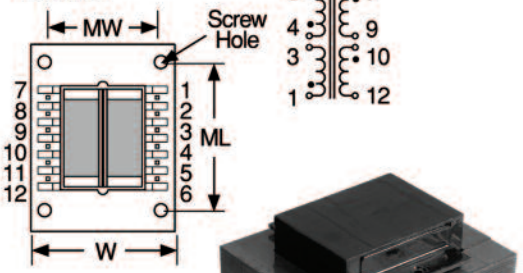


Schematic 1



Mounting Style "B"
4 Screws

Schematic 2



PART NUMBER*	VA	SECONDARY VOLTAGE PRIMARY CONNECTION	SECONDARY VOLTAGE SERIES CONNECTION	SECONDARY CURRENT PARALLEL CONNECTION	SECONDARY CURRENT SERIES CONNECTION	SECONDARY CURRENT PARALLEL CONNECTION	SCHEMATIC	MOUNTING STYLE
6443-010	2.5	115/230	10.0	5.0	0.250	0.50	1	A
6443-012	2.5	115/230	12.6	6.3	0.200	0.40	1	A
6443-016	2.5	115/230	16.0	8.0	0.150	0.30	1	A
6443-020	2.5	115/230	20.0	10.0	0.120	0.24	1	A
6443-024	2.5	115/230	24.0	12.0	0.100	0.20	1	A
6443-028	2.5	115/230	28.0	14.0	0.090	0.18	1	A
6443-036	2.5	115/230	36.0	18.0	0.070	0.14	1	A
6444-010	5	115/230	10.0	5.0	0.500	1.00	1	A
6444-012	5	115/230	12.6	6.3	0.400	0.80	1	A
6444-016	5	115/230	16.0	8.0	0.310	0.62	1	A
6444-020	5	115/230	20.0	10.0	0.250	0.50	1	A
6444-024	5	115/230	24.0	12.0	0.210	0.42	1	A
6444-028	5	115/230	28.0	14.0	0.180	0.36	1	A
6444-036	5	115/230	36.0	18.0	0.140	0.28	1	A
6445-010	10	115/230	10.0	5.0	1.000	2.00	1	A
6445-012	10	115/230	12.6	6.3	0.800	1.60	1	A
6445-016	10	115/230	16.0	8.0	0.620	1.25	1	A
6445-020	10	115/230	20.0	10.0	0.500	1.00	1	A
6445-024	10	115/230	24.0	12.0	0.420	0.84	1	A
6445-028	10	115/230	28.0	14.0	0.360	0.73	1	A
6445-036	10	115/230	36.0	18.0	0.280	0.56	1	A
6446-010	20	115/230	10.0	5.0	2.000	4.00	2	A
6446-012	20	115/230	12.6	6.3	1.600	3.30	2	A
6446-016	20	115/230	16.0	8.0	1.250	2.50	2	A
6446-020	20	115/230	20.0	10.0	1.000	2.00	2	A
6446-024	20	115/230	24.0	12.0	0.830	1.66	2	A
6446-028	20	115/230	28.0	14.0	0.720	1.44	2	A
6446-036	20	115/230	36.0	18.0	0.560	1.12	2	A
6447-010	30	115/230	10.0	5.0	3.000	6.00	2	B
6447-012	30	115/230	12.6	6.3	2.400	4.80	2	B
6447-016	30	115/230	16.0	8.0	1.900	3.80	2	B
6447-020	30	115/230	20.0	10.0	1.500	3.00	2	B
6447-024	30	115/230	24.0	12.0	1.250	2.50	2	B
6447-028	30	115/230	28.0	14.0	1.060	2.12	2	B
6447-036	30	115/230	36.0	18.0	0.820	1.64	2	B
6448-010	56	115/230	10.0	5.0	5.600	11.20	2	B
6448-012	56	115/230	12.6	6.3	4.400	8.80	2	B
6448-016	56	115/230	16.0	8.0	3.500	7.00	2	B
6448-020	56	115/230	20.0	10.0	2.800	5.60	2	B
6448-024	56	115/230	24.0	12.0	2.330	4.66	2	B
6448-028	56	115/230	28.0	14.0	2.000	4.00	2	B
6448-036	56	115/230	36.0	18.0	1.560	3.12	2	B

*Complete part # must include series # PLUS the dash #

UL Certified Recognized component Underwriters Labs, Inc®; CSA Labeled

Primary Voltage Available in either 115V or dual 115/230V

Operating Frequency 50/60 Hz

Operating Temperature 130°C
4000 V RMS Hipot
Split bobbin non-concentric winding
Designed to pass VDE creepage distance

Note Dots on schematic indicate like polarity

Physical Parameters & Mounting Information

	L		W		H		A		B		C		Pin width (sq.)		MW		ML		Weight		Screw size	# Terminals
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg		
6443	1.63	41.40	1.44	36.58	1.13	28.70	0.20	5.08	0.25	6.35	1.00	25.40	0.025	0.63	1.06	26.92	—	—	0.25	113	4	8
6444	1.63	41.40	1.44	36.58	1.38	35.05	0.20	5.08	0.40	10.16	1.00	25.40	0.025	0.63	1.06	26.92	—	—	0.37	167	4	8
6445	1.88	47.75	1.56	39.62	1.38	35.05	0.20	5.08	0.40	10.16	1.14	28.96	0.036	0.91	1.25	31.75	—	—	0.53	240	4	8
6446	2.25	57.15	1.88	47.75	1.63	41.40	0.40	10.16	0.40	10.16	1.46	37.08	0.036	0.91	1.50	38.10	—	—	0.90	408	4	12
6447	2.63	66.80	2.19	55.63	1.56	39.62	0.28	7.11	—	—	1.68	42.67	0.045	1.14	1.75	44.45	2.19	55.63	1.15	521	6	12
6448	3.00	76.20	2.50	63.50	1.81	45.97	0.30	7.62	—	—	1.90	48.26	0.045	1.14	2.00	50.80	2.50	63.50	1.70	771	6	12

DELEVAN™
A REGAL REXNORD BRAND

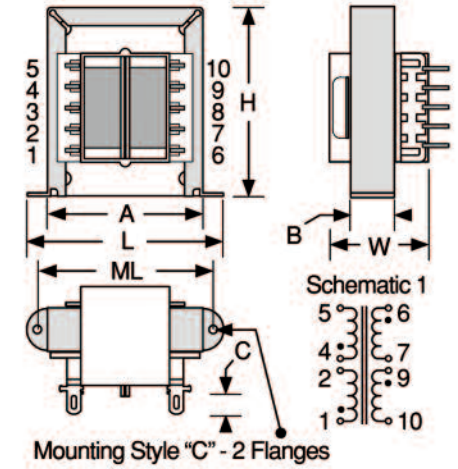
SERIES

6494R-6498R
6494-6498

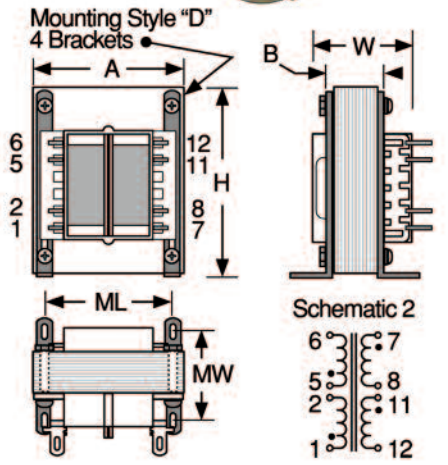
RoHS Compliant

Traditional First Quality

VDE Quick Connect Transformers



Mounting Style "C" - 2 Flanges



PART NUMBER*	VA	SECONDARY VOLTAGE PRIMARY CONNECTION	SECONDARY VOLTAGE SERIES CONNECTION	SECONDARY CURRENT PARALLEL CONNECTION	SECONDARY CURRENT SERIES CONNECTION	SECONDARY CURRENT PARALLEL CONNECTION	SCHEMATIC	MOUNTING STYLE
6494-010	25	115/130	10.0	5.0	2.50	5.00	1	C
6494-012	25	115/230	12.6	6.3	2.00	4.00	1	C
6494-016	25	115/230	16.0	8.0	1.60	3.20	1	C
6494-020	25	115/230	20.0	10.0	1.25	2.50	1	C
6494-024	25	115/230	24.0	12.0	1.00	2.00	1	C
6494-028	25	115/230	28.0	14.0	0.90	1.86	1	C
6494-036	25	115/230	36.0	18.0	0.70	1.40	1	C
6494-230	25	115/230	230.0	115.0	0.11	0.22	1	C
6495-010	43	115/230	10.0	5.0	4.30	8.60	1	C
6495-012	43	115/230	12.6	6.3	3.40	6.80	1	C
6495-016	43	115/230	16.0	8.0	2.70	5.40	1	C
6495-020	43	115/230	20.0	10.0	2.20	4.40	1	C
6495-024	43	115/230	24.0	12.0	1.80	3.60	1	C
6495-028	43	115/230	28.0	14.0	1.50	3.00	1	C
6495-036	43	115/230	36.0	18.0	1.20	2.40	1	C
6495-230	43	115/230	230.0	115.0	0.19	0.38	1	C
6496-010	80	115/230	10.0	5.0	8.00	16.00	2	D
6496-012	80	115/230	12.6	6.3	6.30	12.60	2	D
6496-016	80	115/230	16.0	8.0	5.00	10.00	2	D
6496-020	80	115/230	20.0	10.0	4.00	8.00	2	D
6496-024	80	115/230	24.0	12.0	3.30	6.60	2	D
6496-028	80	115/230	28.0	14.0	2.80	5.60	2	D
6496-036	80	115/230	36.0	18.0	2.20	4.40	2	D
6496-230	80	115/230	230.0	115.0	0.35	0.70	2	D
6497-010	130	115/230	10.0	5.0	13.00	26.00	2	D
6497-012	130	115/230	12.6	6.3	10.30	20.60	2	D
6497-016	130	115/230	16.0	8.0	8.10	16.20	2	D
6497-020	130	115/230	20.0	10.0	6.50	13.00	2	D
6497-024	130	115/230	24.0	12.0	5.40	10.80	2	D
6497-028	130	115/230	28.0	14.0	4.60	9.20	2	D
6497-036	130	115/230	36.0	18.0	3.60	7.20	2	D
6497-230	130	115/230	230.0	115.0	0.57	1.14	2	D
6498-010	175	115/230	10.0	5.0	17.50	35.00	2	D
6498-012	175	115/230	12.6	6.3	14.00	28.00	2	D
6498-016	175	115/230	16.0	8.0	11.00	22.00	2	D
6498-020	175	115/230	20.0	10.0	8.80	17.60	2	D
6498-024	175	115/230	24.0	12.0	7.30	14.60	2	D
6498-028	175	115/230	28.0	14.0	6.25	12.50	2	D
6498-036	175	115/230	36.0	18.0	4.80	9.60	2	D
6498-230	175	115/230	230.0	115.0	0.76	1.52	2	D

*Complete part # must include series # PLUS the dash #

UL Certified Recognized component Underwriters Labs, Inc®; CSA Labeled
Primary Voltage Available in either 115V or dual 115/230V
Operating Frequency 50/60 Hz
Operating Temperature 130°C
4000 V RMS Hipot
Split bobbin non-concentric winding
Designed to pass VDE creepage distance
Note Dots on schematic indicate like polarity

Physical Parameters & Mounting Information

	L		W		H		A		B		C		Pin width (sq.)		MW		ML		Weight		Screw size	# Terminals
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg		
6494	2.81	71.44	1.88	47.63	2.31	58.74	2.00	50.80	1.13	28.58	0.31	7.94	0.19	4.763	—	—	2.38	60.33	1.25	0.567	6	10
6495	3.13	79.38	2.06	52.39	2.69	68.26	2.25	57.15	1.13	28.58	0.19	4.76	0.81	20.64	—	—	2.81	71.44	1.60	0.726	6	10
6496	2.50	63.50	2.38	60.33	3.00	76.20	—	—	1.38	34.93	0.31	7.94	0.19	4.763	2.19	55.56	2.00	50.80	2.80	1.270	6	12
6497	2.81	71.44	2.88	73.03	3.38	85.73	—	—	1.63	41.28	0.38	9.53	0.25	6.350	2.50	63.50	2.25	57.15	4.10	1.860	8	12
6498	3.13	79.38	2.88	73.03	3.75	95.25	—	—	1.63	41.28	0.38	9.53	0.25	6.350	2.50	63.50	2.50	63.50	5.50	2.494	8	12

MIL STANDARD to Delevan Conversion Chart

CURRENT MIL STANDARD	CURRENT PART NUMBER	CURRENT TYPE	PREVIOUS MIL STANDARD	PREVIOUS PART NUMBER	PREVIOUS TYPE
MS 14046	LT10K	1537	MS 18130	LT4K	
-1	128	-30K	17	090	
-2	129	-32K	18	091	
-3	130	-34K	19	092	
-4	131	-36K	20	093	
-5	132	-38K	21	094	
-6	133	-40K	22	095	
-7	134	-42K	23	096	
-8	135	-44K	24	097	
-9	136	-47K	25	098	
-10	137	-51K	26	099	
MS 14047	LT10K	3500	MS 75052	LT4K	
-1	138	-04K	3	054	
-2	139	-06K	4	055	
-3	140	-08K	5	056	
-4	141	-10K	6	057	
-5	142	-12K	7	058	
MS 14048	LT10K	3500	MS 75053	LT4K	
-1	143	-14K	1	059	
-2	144	-16K	2	060	
-3	145	-18K	3	061	
-4	146	-20K	4	062	
-5	147	-22K	5	063	
MS 14042	LT10K	2150	MS 90542	LT4K	
-1	158	18	14	328	
-2	159	20	15	329	
-3	160	22	16	330	
-4	161	24	17	331	
-5	162	26	18	332	
-6	163	28	19	333	
-7	164	30	20	334	
-8	165	32	21	335	
-9	166	34	22	336	
-10	167	36	23	337	
-11	168	38	24	338	

▼

MS16221 Revision A Superseded by MS75103 and 91189

MS16222 Revision A Superseded by MS14052 and 90542

MS16223 Revision B Superseded by MS14047, 14048, 14049, 14050 and 75052

MS16224 Revision A Superseded by MS75008 and 75101

MS16225 Revision B Canceled by MS14046 and 18130

MS16226 Revision B Superseded by MS14040, 14041, 14042, 14043, 14044 and 18100

*** COTS – "MS" is for reference only**

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MS18100 -10 thru -20 See MS14040

MS18100 -23 thru -27 See MS14041

MS18100 -28 thru -32 See MS14042

MS18100 -33 thru -37 See MS14043

MS18100 -38 thru -42 See MS14044

MS18117 Canceled— No Superseding Document

MS18118 Canceled— No Superseding Document

MS18130 -17 thru -26 See MS14046

MS18131 Canceled— No Superseding Document

MS18132 Canceled— No Superseding Document

MS18133 Canceled— No Superseding Document

MS 18130	LT4K	1537	MS 16225	LT7K
-1	074	-00M	1	102
-2	075	-02M	2	103
-3	076	-04M	3	104
-4	077	-06M	4	105
-5	078	-07M	5	
-6	079	-08M	6	106
-7	080	-10M	7	107
-8	081	-12M	8	108
-9	082	-14M	9	109
-10	083	-16M	10	110
-11	084	-18M	11	111
-12	085	-20M	12	112
-13	086	-22M	13	113
-14	087	-24M	14	114
-15	088	-26M	15	115
-16	089	-28M	16	116
MS 21367	LT10K	100		
-1	354	-150N		
-2	355	-220N		
-3	356	-330N		
-4	357	-470N		
-5	358	-680N		
-6	359	-101N		
-7	360	-121M		
-8	361	-151M		
-9	362	-181M		
-10	363	-221M		
-11	364	-271M		
-12	365	-331M		
-13	366	-391M		
-14	367	-471M		
-15	368	-561M		
-16	369	-681M		
-17	370	-821M		
-18	371	-102M		
-19	372	-122K		

-20	373	-152K
-21	374	-182K
-22	375	-222K
-23	376	-272K
-24	377	-332K
-25	378	-392K
-26	379	-472K
-27	380	-562K
-28	381	-682K
-29	382	-822K
-30	383	-103K
MS* 21368	LT10K	150
-1	384	-123K
-2	385	-153K
-3	386	-183K
-4	387	-223K
-5	388	-273K
-6	389	-333K
-7	390	-393K
-8	391	-473K
-9	392	-563K
-10	393	-683K
-11	394	-823K
-12	395	-104K
MS* 21369	LT10K	250
-1	396	-124K
-2	397	-154K
-3	398	-184K
-4	399	-224K
-5	400	-274K
-6	401	-334K
-7	402	-394K
-8	403	-474K
-9	404	-564K
-10	405	-684K
-11	406	-824K
-12	407	-105K
MS* 21380	LT4K	4470
-1	352	-01J
-2	353	-02J
-3	354	-03J
-4	355	-04J
-5	356	-05J
-6	357	-06J
-7	358	-07J
-8	359	-08J
-9	360	-09J
-10	361	-10J
-11	362	-11J
-12	363	-12J
-13	364	-13J
-14	365	-14J
-15	366	-15J
-16	367	-16J
-17	368	-17J
-18	369	-18J
-19	370	-19J
-20	371	-20J
-21	372	-21J
-22	373	-22J
-23	374	-23J
-24	375	-24J
-25	376	-25J
-26	377	-26J
-27	378	-27J
-28	379	-28J
-29	380	-29J
-30	381	-30J
-31	382	-31J
-32	383	-32J
-33	384	-33J
-34	385	-34J
-35	386	-35J
-36	387	-36J
-37	388	-37J
-38	389	-38J
-39	390	-39J
-40	391	-40J
-41	392	-41J
-42	393	-42J
-43	394	-43J
-44	395	-44J
-45	396	-45J
-46	397	-46J
-47	398	-47J
-48	399	-48J
-49	400	-49J
MS* 21389	LT4K	1944
-1	440	-01M
-2	441	-02M
-3	442	-03M
-4	443	-04M
-5	444	-05M
-6	445	-06M
-7	446	-07M
-8	447	-08M
-9	448	-09M
-10	449	-10M
-11	450	-11M
-12	451	-12M
-13	452	-13M
-14	453	-14M
-15	454	-15M
-16	455	-16K
-17	456	-17K

CONTINUED ON NEXT PAGE

DELEVAN™
A REGAL REXNORD BRAND

MIL STANDARD to Delevan Conversion Chart

CURRENT MIL STANDARD	CURRENT TYPE	PREVIOUS PART NUMBER	PREVIOUS TYPE
MS*			
21390	LT4K	1945	
-1	457	-01K	
-2	458	-02K	
-3	459	-03K	
-4	460	-04K	
-5	461	-05K	
-6	462	-06K	
-7	463	-07K	
-8	464	-08K	
-9	465	-09K	
-10	466	-10K	
-11	467	-11K	
-12	468	-12K	
-13	469	-13J	
-14	470	-14J	
-15	471	-15J	
-16	472	-16J	
-17	473	-17J	
-18	474	-18J	
-19	475	-19J	
-20	476	-20J	
-21	477	-21J	
-22	478	-22J	
-23	479	-23J	
-24	480	-24J	
-25	481	-25J	
-26	482	-26J	
-27	483	-27J	
-28	484	-28J	
-29	485	-29J	
-30	486	-30J	
-31	478	-31J	
-32	488	-32J	
-33	489	-33J	
-34	490	-34J	
-35	491	-35J	
-36	492	-36J	
-37	493	-37J	
-38	494	-38J	
-39	495	-39J	
MS			
21422	LT4K	2020	
-1	596	-00K	
-2	597	-02K	
-3	598	-04K	
-4	599	-06K	
-5	500	-08K	
-6	501	-10K	
-7	502	-12K	
-8	503	-14K	
-9	504	-16K	
-10	505	-18K	
-11	506	-20K	
-12	507	-22K	
-13	508	-24J	
-14	509	-26J	
-15	510	-28J	
-16	511	-30J	
-17	512	-32J	
-18	513	-34J	

*** COTS – "MS" is for reference only**

PREVIOUS MIL STANDARD	PREVIOUS PART NUMBER	PREVIOUS TYPE
-19	514	-36J
-20	515	-38J
-21	516	-40J
-22	517	-42J
-23	518	-44J
-24	519	-46J
-25	520	-48J
MS		
21423	LT4K	4445
-1	521	-01K
-2	522	-02K
-3	523	-03K
-4	524	-04K
-5	525	-05K
-6	526	-06K
-7	527	-07K
-8	528	-08K
-9	529	-09K
-10	530	-10K
-11	531	-11K
-12	532	-12K
-13	533	-13J
-14	534	-14J
-15	535	-15J
-16	536	-16J
-17	537	-17J
-18	538	-18J
-19	539	-19J
-20	540	-20J
-21	541	-21J
-22	542	-22J
-23	543	-23J
-24	544	-24J
-25	545	-25J
MS		
21426	LT10K	0925
-1	518	-101K
-2	519	-121K
-3	520	-151K
-4	521	-181K
-5	522	-221K
-6	523	-271K
-7	524	-331K
-8	525	-391K
-9	526	-471K
-10	527	-461K
-11	528	-681K
-12	529	-821K
-13	530	-102K
-14	531	-122K
-15	532	-152K
-16	533	-182K
-17	534	-222K
-18	535	-272K
-19	536	-332K
-20	537	-392K
-21	538	-472K
-22	539	-562K
-23	540	-682K
-24	541	-822K
-25	542	-103K
-26	543	-123K
-27	544	-153K
-28	545	-183K

CURRENT MIL STANDARD	CURRENT TYPE	PREVIOUS PART NUMBER	PREVIOUS TYPE
-29	546	-223K	
-30	547	-273K	
-31	548	-333K	
-32	549	-393K	
-33	550	-473K	
-34	551	-563K	
-35	552	-683K	
-36	553	-823K	
-37	554	-104K	
MS			
21427	LT10K	0925	
-1	555	-124K	
-2	556	-154K	
-3	557	-184K	
-4	558	-224K	
-5	559	-274K	
-6	560	-334K	
-7	561	-394K	
-8	562	-474K	
-9	563	-564K	
MS			
75008	LT4K	1840	
-21	027	-00M	
-22	028	-02M	
-23	029	-04M	
-24	030	-06M	
-25	031	-07K	
-26	032	-08K	
-27	033	-09K	
-28	034	-10K	
-29	035	-11K	
-30	036	-12K	
-31	037	-13K	
-32	038	-14K	
-33	039	-16K	

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(MS75008-34 thru -45 See MS75101)

MS				
75052	LT4K	3500	16223	LT7K
-1	052	-00K	1	211
-2	053	-02K	2	212

▼

(MS75052-3 thru-7 See MS14047)

MS75053 See MS14048

MS75054 See MS14049

MS75055 See MS14050

MS75056 Non-Standard

MS		
75052	LT4K	10 25
-1	339	-94K
-2	340	-96K
-3	341	-00K
-4	342	-02K
-5	343	-04K
-6	344	-06K
-7	345	-08K

MS 75008	LT7K
1	125
2	126
3	127
4	128
5	129
6	130
7	131
8	132
9	133

PREVIOUS MIL STANDARD	PREVIOUS PART NUMBER	PREVIOUS TYPE
-8	346	-10K
-9	347	-12K
-10	348	-14K
-11	349	-16K
-12	350	-18K
-13	351	-20K
MS		
75084	LT10K	1025
-1	061	-22K
-2	062	-24K
-3	063	-26K
-4	064	-28K
-5	065	-30K
-6	066	-32K
-7	067	-34K
-8	068	-36K
-9	069	-38K
-10	070	-40K
-11	071	-42K
-12	072	-44K
-13	073	-46K
-14	074	-48K
-15	075	-50K
-16	076	-52K
-17	077	-54K
MS		
75085	LT10K	1025
-1	078	-56K
-2	079	-58K
-3	080	-60K
-4	081	-62K
-5	082	-64K
-6	083	-66K
-7	084	-68K
-8	085	-70K
-9	086	-72K
-10	078	-74K
-11	088	-76K
-12	089	-78K
-13	090	-80K
-14	091	-82K
-15	092	-84K
-16	093	-86K
-17	094	-88K
-18	095	-90K
-19	096	-92K

MS			MS	
75087	LT10K	1641	90537	LT4K
-1	191	-101K	1	242
-2	192	-121K	2	243
-3	193	-151K	3	244
-4	194	-181K	4	245
-5	195	-221K	5	246
-6	196	-271K	6	247
-7	197	-331K	7	248
-8	198	-391K	8	249
-9	199	-471K	9	250
-10	200	-461K	10	251
-11	201	-681K	11	252
-12	202	-821K	12	253

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DELEVAN™
A REGAL REXNORD BRAND

MIL STANDARD to Delevan Conversion Chart

CURRENT MIL STANDARD	CURRENT TYPE	PREVIOUS PART NUMBER	PREVIOUS MIL STANDARD	PREVIOUS TYPE
MS 75088	**LT10K**	**1641**		
-1	204	-102K		
-2	205	-122K		
-3	206	-152K		
-4	207	-182K		
-5	208	-222K		
-6	209	-272K		
-7	210	-332K		
-8	211	-392K		
-9	212	-472K		
-10	213	-562K		
-11	214	-682K		
-12	215	-822K		
-13	216	-103K		
-14	217	-123K		
MS 75089	**LT10K**	**1641**		
-1	217	-153K		
-2	218	-183K		
-3	219	-223K		
-4	220	-273K		
-5	221	-333K		
-6	222	-393K		
-7	223	-473K		
-8	224	-563K		
-9	225	-683K		
-10	226	-823K		
-11	227	-104K		
-12	228	-124K		
-13	229	-154K		
-14	230	-184K		
-15	231	-224K		
-16	232	-274K		
-17	233	-334K		
-18	234	-394K		
-19	235	-474K		
-20	236	-564K		
-21	237	-684K		
-22	238	-824K		
-23	239	-105K		
MS 75101	**LT10K**	**1840**		
-1	169	-18K		
-2	170	-20K		
-3	171	-22K		
-4	172	-24K		
-5	173	-26K		
-6	174	-28K		
-7	175	-30K		
-8	176	-32K		
-9	177	-34K		
-10	178	-35K		
-11	179	-36K		
-12	180	-38K		
MS 75103	**LT10K**	**2890**		
-1	181	-28K		
-2	182	-30K		

*** COTS – "MS" is for reference only**

CURRENT MIL STANDARD	CURRENT TYPE	PREVIOUS PART NUMBER	PREVIOUS MIL STANDARD	PREVIOUS TYPE
MS 90537	**LT4K**			
13	254	-3	183	-32K
14	255	-4	184	-34K
15	256	-5	185	-36K
16	257	-6	186	-38K
17	258	-7	187	-39K
18	259	-8	188	-40K
19	260	-9	189	-42K
20	261	-10	190	-44K
21	262	**MS 90538**	**LT10K**	**1537**
22	263	-1	001	-54J
23	264	-2	002	-56J
24	265	-3	003	-58J
25	266	-4	004	-60J
26	267	-5	005	-62J
MS 90537	**LT4K**	-6	006	-64J
27	268	-7	007	-66J
28	269	-8	008	-68J
29	270	-9	009	-70J
30	271	-10	010	-72J
31	272	-11	011	-74J
32	273	-12	012	-76J
33	274	-13	013	-78J
34	275	-14	014	-80J
35	276	-15	015	-82J
36	277	-16	016	-84J
37	278	-17	017	-86J
38	279	-18	018	-88J
39	280	-19	019	-90J
40	281	-20	020	-92J
41	282	-21	021	-94J
42	283	**MS 90539**	**LT10K**	**2500**
43	284	-1	022	-00J
44	285	-2	023	-02J
45	286	-3	024	-04J
46	287	-4	025	-06J
47	288	-5	026	-08J
48	289	-6	027	-10J
49	290	-7	028	-12J
MS 75008	**LT4K**	-8	029	-15J
34	040	-9	030	-16J
35	041	-10	031	-18J
36	042	-11	032	-20J
37	043	-12	033	-22J
38	044	-13	034	-24J
38	045	-14	035	-26J
40	046	-15	036	-28J
41	047	**MS 90540**	**LT10K**	**2500**
42	048	-1	037	-30J
43	049	-2	038	-32J
44	050	-3	039	-34J
45	051	-4	040	-36J
MS 91189	**LT4K**	-5	041	-38J
29	017	-6	042	-40J
30	018	-7	043	-42J
		-8	044	-44J
		-9	045	-46J
		-10	046	-48J
		-11	047	-50J
		-12	048	-52J
		-13	049	-54J

CURRENT MIL STANDARD	CURRENT TYPE	PREVIOUS PART NUMBER	PREVIOUS MIL STANDARD	PREVIOUS TYPE
MS 90541	**LT10K**	**2500**		
-1	050	-56J		
-2	051	-58J		
-3	052	-60J		
-4	053	-62J		
-5	054	-64J		
-6	055	-66J		
-7	056	-68J		
-8	057	-70J		
-9	058	-72J		
-10	059	-74J		
-11	060	-76J		
MS 90542	**LT4K**	**2150**	**MS 21423**	**LT7K**
-1	15	-00K	1	233
-2	16	-01K		
-3	17	-02K	2	234
-4	18	-03K		
-5	19	-04K	3	235
-6	20	-05K		
-7	21	-06K	4	236
-8	22	-07K		
-9	23	-08K	5	237
-10	24	-10K	6	238
-11	25	-12K	7	239
-12	26	-14K	8	240
-13	27	-16K	9	241

▼

MS90542-14 thru -24
See MS14052

MS 91189	LT4K	2890	MS 21423	LT8K
-14	002	-00K	1	001
-15	003	-02K		
-16	004	-03K		
-17	005	-04K	2	002
-18	006	-06K		
-19	007	-08K	3	
-20	008	-10K		
-21	009	-12K		
-22	010	-14K		
-23	011	-16K	5	005
-24	012	-18K		
-25	013	-20K	6	006
-26	014	-22K		
-27	015	-24K	7	007
-28	016	-26K		

▼

MS91189-29 thru -38
See MS75103)

MIL-PRF-83446/ to Delevan Conversion Chart

MIL-PRF-83446
/04, /08, /10, /11 & /38
TERMINATION FINISH OPTIONS:
CODE A – Final finish gold over nickel
CODE B – Final finish tin-lead over nickel
CODE F – Final finish tin-lead

GOV'T PART # (TERMINATION)	DELEVAN PART #	GOV'T PART # (TERMINATION)	DELEVAN PART #	GOV'T PART # (TERMINATION)	DELEVAN PART #	GOV'T PART # (TERMINATION)	DELEVAN PART #	GOV'T PART # (TERMINATION)	DELEVAN PART #
M83446/ 04-	**103-**	**M83446/ 08-***	**108-**	**M83446/ 10-***	**3094-**	**M83446/ 11-***	**4379-**
01 ( )	121K ( )	87 ( )	123K ( )	62 ( )	100 ( )	62 ( )	101K ( )
02 ( )	151K ( )	88 ( )	153K ( )	63 ( )	120 ( )	63 ( )	121K ( )
03 ( )	181K ( )	89 ( )	183K ( )	64 ( )	150 ( )	64 ( )	151K ( )
04 ( )	221K ( )	90 ( )	223K ( )	65 ( )	180 ( )	65 ( )	181K ( )
05 ( )	271K ( )	91 ( )	273K ( )	66 ( )	220 ( )	66 ( )	221K ( )
06 ( )	331K ( )	92 ( )	333K ( )	67 ( )	270 ( )	67 ( )	271K ( )
07 ( )	391K ( )	93 ( )	393K ( )	68 ( )	330 ( )	68 ( )	331K ( )
08 ( )	471K ( )	94 ( )	473K ( )	69 ( )	390 ( )	69 ( )	391K ( )
09 ( )	561K ( )	95 ( )	565K ( )	70 ( )	470 ( )	70 ( )	471K ( )
10 ( )	681K ( )	96 ( )	683K ( )	71 ( )	560 ( )	71 ( )	561K ( )
11 ( )	821K ( )	97 ( )	823K ( )	72 ( )	680 ( )	72 ( )	681K ( )
12 ( )	102K ( )	98 ( )	104K ( )	73 ( )	820 ( )	73 ( )	821K ( )
13 ( )	122K ( )			74 ( )	101 ( )	74 ( )	102K ( )
14 ( )	152K ( )			75 ( )	121 ( )	75 ( )	122K ( )
15 ( )	182K ( )			76 ( )	151 ( )	76 ( )	152K ( )
16 ( )	222K ( )			77 ( )	181 ( )	77 ( )	182K ( )
17 ( )	272K ( )			78 ( )	221 ( )	78 ( )	222K ( )
18 ( )	332K ( )			79 ( )	271 ( )	79 ( )	272K ( )
19 ( )	392K ( )			80 ( )	331 ( )	80 ( )	332K ( )
20 ( )	472K ( )			81 ( )	391 ( )	81 ( )	392K ( )
21 ( )	562K ( )			82 ( )	471 ( )	82 ( )	472K ( )
22 ( )	682K ( )			83 ( )	561 ( )	83 ( )	562K ( )
23 ( )	822K ( )			84 ( )	681 ( )	84 ( )	682K ( )
24 ( )	103K ( )			85 ( )	821 ( )	85 ( )	822K ( )
25 ( )	123K ( )			86 ( )	102 ( )	86 ( )	103K ( )
26 ( )	153K ( )			87 ( )	122 ( )	87 ( )	123K ( )
27 ( )	183K ( )			88 ( )	152 ( )	88 ( )	153K ( )
28 ( )	223K ( )			89 ( )	182 ( )	89 ( )	183K ( )
29 ( )	273K ( )			90 ( )	222 ( )	90 ( )	223K ( )
30 ( )	100K ( )			91 ( )	272 ( )	91 ( )	273K ( )
31 ( )	150K ( )			92 ( )	332 ( )	92 ( )	333K ( )
32 ( )	220K ( )			93 ( )	392 ( )	93 ( )	393K ( )
33 ( )	330K ( )			94 ( )	472 ( )	94 ( )	473K ( )
34 ( )	470K ( )			95 ( )	562 ( )	95 ( )	563K ( )
35 ( )	680K ( )			96 ( )	682 ( )	96 ( )	683K ( )
36 ( )	101K ( )			97 ( )	822 ( )	97 ( )	823K ( )
37 ( )	100K ( )			98 ( )	103 ( )	98 ( )	104K ( )
38 ( )	120K ( )			99 ( )	123 ( )	99 ( )	124K ( )
39 ( )	150K ( )			100 ( )	153 ( )	100 ( )	154K ( )
40 ( )	180K ( )			101 ( )	153 ( )	101 ( )	184K ( )
41 ( )	220K ( )			102 ( )	223 ( )	102 ( )	224K ( )
42 ( )	270K ( )			103 ( )	273 ( )	103 ( )	274K ( )
43 ( )	330K ( )			104 ( )	333 ( )	104 ( )	334K ( )
44 ( )	390K ( )			105 ( )	393 ( )	105 ( )	394K ( )
45 ( )	470K ( )			106 ( )	472 ( )	106 ( )	474K ( )
46 ( )	560K ( )			107 ( )	563 ( )	107 ( )	564K ( )
47 ( )	680K ( )			108 ( )	683 ( )	108 ( )	684K ( )
48 ( )	820K ( )			109 ( )	823 ( )	109 ( )	824K ( )
49 ( )	101K ( )			110 ( )	104 ( )	110 ( )	105K ( )
				111 ( )	124 ( )	111 ( )	125K ( )
				112 ( )	154 ( )	112 ( )	155K ( )
				113 ( )	184 ( )	113 ( )	185K ( )
				114 ( )	224 ( )	114 ( )	225K ( )
				115 ( )	274 ( )	115 ( )	275K ( )
				116 ( )	334 ( )	116 ( )	335K ( )
				117 ( )	394 ( )	117 ( )	395K ( )
				118 ( )	474 ( )	118 ( )	475K ( )
				119 ( )	564 ( )	119 ( )	565K ( )
				120 ( )	684 ( )	120 ( )	685K ( )
				121 ( )	824 ( )	121 ( )	825K ( )
				122 ( )	105 ( )	122 ( )	106K ( )

*** COTS – "MS" is for reference only**

CONTINUED ON NEXT PAGE

MIL-PRF-83446/ to Delevan Conversion Chart

GOV'T PART #	DELEVAN PART #	GOV'T PART #	DELEVAN PART #	GOV'T PART #	DELEVAN PART #	GOV'T PART #	DELEVAN PART #	GOV'T PART #	DELEVAN PART #	GOV'T PART #	DELEVAN PART #	GOV'T PART #	DELEVAN PART #	GOV'T PART #	DELEVAN PART #	GOV'T PART #	DELEVAN PART #
M83446/ 20-	**M0820-**	**M83446/ 23-**	**M1330-**	**M83446/ 26-**	**M1331-**	**M83446/ 28-**	**MIL2510-**	**M83446/ 31-**	**MIL1330-**	**M83446/ 34-**	**MIL1331-**	**M83446/ 38-**	**160-**
01F	00K	01F	94K	01F	101K	01F	00K	01F	94K	01F	101K	01 ( )	100M ( )
02F	02K	02F	96K	02F	121K	02F	02K	02F	96K	02F	121K	02 ( )	120M ( )
03F	04K	03F	00K	03F	151K	03F	04K	03F	00K	03F	151K	03 ( )	150M ( )
04F	06K	04F	02K	04F	181K	04F	06K	04F	02K	04F	181K	04 ( )	180M ( )
05F	08K	05F	04K	05F	221K	05F	08K	05F	04K	05F	221K	05 ( )	220M ( )
06F	10K	06F	06K	06F	271K	06F	10K	06F	06K	06F	271K	06 ( )	270M ( )
07F	12K	07F	08K	07F	331K	07F	12K	07F	08K	07F	331K	07 ( )	330M ( )
08F	14K	08F	10K	08F	391K	08F	14K	08F	10K	08F	391K	08 ( )	390M ( )
09F	16K	09F	12K	09F	471K	09F	16K	09F	12K	09F	471K	09 ( )	470M ( )
		10F	14K	10F	561K			10F	14K	10F	561K	10 ( )	560M ( )
M83446/ 21-	**M0820-**	11F	16K	11F	681K	**M83446/ 29-**	**M2510-**	11F	16K	11F	681K	11 ( )	680M ( )
01F	18K	12F	18K	12F	821K	01F	18K	12F	18K	12F	821K	12 ( )	820M ( )
02F	20K	13F	20K	13F	102K	02F	20K	13F	20K	13F	102K	13 ( )	101K ( )
03F	22K			14F	122K	03F	22K			14F	122K	14 ( )	121K ( )
04F	24K	**M83446/ 24-**	**M1330-**	15F	152K	04F	24K	**M83446/ 32-**	**MIL1330-**	15F	152K	15 ( )	151K ( )
05F	26K	01F	22K	16F	182K	05F	26K	01F	22K	16F	182K	16 ( )	181K ( )
06F	28K	02F	24K	17F	222K	06F	28K	02F	24K	17F	222K	17 ( )	221K ( )
07F	30K	03F	26K	18F	272K	07F	30K	03F	26K	18F	272K	18 ( )	271K ( )
08F	32K	04F	28K	19F	332K	08F	32K	04F	28K	19F	332K	19 ( )	301K ( )
09F	34K	05F	30K	20F	392K	09F	34K	05F	30K	20F	392K	20 ( )	331K ( )
10F	36K	06F	32K	21F	472K	10F	36K	06F	32K	21F	472K	21 ( )	361K ( )
11F	38K	07F	34K	22F	562K	11F	38K	07F	34K	22F	562K	22 ( )	391K ( )
12F	40K	08F	36K	23F	682K	12F	40K	08F	36K	23F	682K	23 ( )	421K ( )
13F	42K	09F	38K	24F	822K	13F	42K	09F	38K	24F	822K	24 ( )	471K ( )
14F	44K	10F	40K	25F	103K	14F	44K	10F	40K	25F	103K	25 ( )	561J ( )
15F	46K	11F	42K	26F	123K	15F	46K	11F	42K	26F	123K	26 ( )	681J ( )
16F	48K	12F	44K	27F	153K	16F	48K	12F	44K	27F	153K	27 ( )	821J ( )
17F	50K	13F	46K	28F	183K	17F	50K	13F	46K	28F	183K	28 ( )	102J ( )
18F	52K	14F	48K	29F	223K	18F	52K	14F	48K	29F	223K	29 ( )	122J ( )
19F	54K	15F	50K	30F	273K	19F	54K	15F	50K	30F	273K	30 ( )	152J ( )
20F	56K	16F	52K	31F	333K	20F	56K	16F	52K	31F	333K	31 ( )	182J ( )
21F	58K	17F	54K	32F	393K	21F	58K	17F	54K	32F	393K	32 ( )	222J ( )
22F	60K			33F	473K	22F	60K			33F	473K	33 ( )	272J ( )
23F	62K	**M83446/ 25-**	**M1330-**	34F	563K	23F	62K	**M83446/ 33-**	**MIL1330-**	34F	563K	34 ( )	332J ( )
24F	64K	01F	56K	35F	683K	24F	64K	01F	56K	35F	683K	35 ( )	392J ( )
25F	66K	02F	58K	36F	823K	25F	66K	02F	58K	36F	823K	36 ( )	472J ( )
26F	68K	03F	60K	37F	104K	26F	68K	03F	60K	37F	104K	37 ( )	562J ( )
27F	70K	04F	62K			27F	70K	04F	62K			38 ( )	682J ( )
28F	72K	05F	64K	**M83446/ 27-**	**M1331-**	28F	72K	05F	64K	**M83446/ 35-**	**MIL1331-**	39 ( )	822J ( )
		06F	66K	01F	124K			06F	66K	01F	124K	40 ( )	103J ( )
M83446/ 22-	**M0820-**	07F	68K	02F	154K	**M83446/ 30-**	**M2510-**	07F	68K	02F	154K	41 ( )	123J ( )
01F	74K	08F	70K	03F	184K	01F	74K	08F	70K	03F	184K	42 ( )	153J ( )
02F	76K	09F	72K	04F	224K	02F	76K	09F	72K	04F	224K	43 ( )	183J ( )
03F	78K	10F	74K	05F	274K	03F	78K	10F	74K	05F	274K	44 ( )	223J ( )
04F	80K	11F	76K	06F	334K	04F	80K	11F	76K	06F	334K	45 ( )	273J ( )
05F	82K	12F	78K	07F	394K	05F	82K	12F	78K	07F	394K	46 ( )	333J ( )
06F	84K	13F	80K	08F	474K	06F	84K	13F	80K	08F	474K	47 ( )	393J ( )
07F	86K	14F	82K	09F	564K	07F	86K	14F	82K	09F	564K	48 ( )	473J ( )
08F	88K	15F	84K			08F	88K	15F	84K			49 ( )	563J ( )
09F	90K	16F	86K			09F	90K	16F	86K			50 ( )	683J ( )
10F	92K	17F	88K			10F	92K	17F	88K			51 ( )	823J ( )
11F	94K	18F	90K			11F	94K	18F	90K			52 ( )	104J ( )
12F	96K	19F	92K			12F	96K	19F	92K			53 ( )	124J ( )
												54 ( )	154J ( )
												55 ( )	184J ( )
												56 ( )	224J ( )
												57 ( )	274J ( )
												58 ( )	334J ( )
												59 ( )	394J ( )
												60 ( )	474J ( )
												61 ( )	564J ( )

MIL-PRF-83446 TERMINATION FINISH:
/20 thru /35
CODE F – Final finish tin-lead
/38 Options:
CODE B – Final finish tin-lead over nickel
CODE F – Final finish tin-lead

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MIL-PRF-83446/ to Delevan Conversion Chart

MIL-PRF-83446
/39 & /40
TERMINATION FINISH OPTIONS:
CODE F – Final finish tin-lead
CODE P – Final finish Pb free

GOV'T PART # (TERMINATION)	DELEVAN PART #	GOV'T PART # (TERMINATION)	DELEVAN PART #	GOV'T PART # (TERMINATION)	DELEVAN PART #	GOV'T PART # (TERMINATION)	DELEVAN PART #
M83446/39-	MIL1812-	M83446/39-	MIL1812R-	M83446/40-	MILS1812-	M83446/40-	MILS1812R-
-01F	-100M	-01P	-100M	-01F	-101K	-01P	-101K
-02F	-120M	-02P	-120M	-02F	-121K	-02P	-121K
-03F	-150M	-03P	-150M	-03F	-151K	-03P	-151K
-04F	-180M	-04P	-160M	-04F	-181K	-04P	-181K
-05F	-220M	-05P	-220M	-05F	-221K	-05P	-221K
-06F	-270M	-06P	-270M	-06F	-271K	-06P	-271K
-07F	-330M	-07P	-330M	-07F	-331K	-07P	-331K
-08F	-390M	-08P	-390M	-08F	-391K	-08P	-391K
-09F	-470M	-09P	-470M	-09F	-471K	-09P	-471K
-10F	-560M	-10P	-560M	-10F	-561K	-10P	-561K
-11F	-680M	-11P	-680M	-11F	-681K	-11P	-681K
-12F	-820M	-12P	-820M	-12F	-821K	-12P	-821K
-13F	-101K	-13P	-101K	-13F	-102K	-13P	-102K
-14F	-121K	-14P	-121K	-14F	-122K	-14P	-122K
-15F	-151K	-15P	-151K	-15F	-152K	-15P	-152K
-16F	-181K	-16P	-181K	-16F	-182K	-16P	-182K
-17F	-221K	-17P	-221K	-17F	-222K	-17P	-222K
-18F	-271K	-18P	-271K	-18F	-272K	-18P	-272K
-19F	-331K	-19P	-331K	-19F	-332K	-19P	-332K
-20F	-391K	-20P	-391K	-20F	-392K	-20P	-392K
-21F	-471K	-21P	-471K	-21F	-472K	-21P	-472K
-22F	-561K	-22P	-561K	-22F	-562K	-22P	-562K
-23F	-681K	-23P	-681K	-23F	-682K	-23P	-682K
-24F	-821K	-24P	-821K	-24F	-822K	-24P	-822K
-25F	-102J	-25P	-102J	-25F	-103K	-25P	-103K
-26F	-122J	-26P	-122J	-26F	-123K	-26P	-123K
-27F	-152J	-27P	-152J	-27F	-153K	-27P	-153K
-28F	-182J	-28P	-182J	-28F	-183K	-28P	-183K
-29F	-222J	-29P	-222J	-29F	-223K	-29P	-223K
-30F	-272J	-30P	-272J	-30F	-273K	-30P	-273K
-31F	-332J	-31P	-332J	-31F	-333K	-31P	-333K
-32F	-392J	-32P	-392J	-32F	-393K	-32P	-393K
-33F	-472J	-33P	-472J	-33F	-473K	-33P	-473K
-34F	-562J	-34P	-562J	-34F	-563K	-34P	-563K
-35F	-682J	-35P	-682J	-35F	-683K	-35P	-683K
-36F	-822J	-36P	-822J	-36F	-823K	-36P	-823K
-37F	-103J	-37P	-103J	-37F	-104K	-37P	-104K
-38F	-123J	-38P	-123J	-38F	-124K	-38P	-124K
-39F	-153J	-39P	-153J	-39F	-154K	-39P	-154K
-40F	-183J	-40P	-183J	-40F	-184K	-40P	-184K
-41F	-223J	-41P	-223J	-41F	-224K	-41P	-224K
-42F	-273J	-42P	-273J	-42F	-274K	-42P	-274K
-43F	-333J	-43P	-333J	-43F	-334K	-43P	-334K
-44F	-393J	-44P	-393J	-44F	-394K	-44P	-394K
-45F	-473J	-45P	-473J	-45F	-474K	-45P	-474K
-46F	-563J	-46P	-563J	-46F	-564K	-46P	-564K
-47F	-683J	-47P	-683J	-47F	-684K	-47P	-684K
-48F	-823J	-48P	-823J	-48F	-824K	-48P	-824K
-49F	-104J	-49P	-104J	-49F	-105K	-49P	-105K
-50F	-124J	-50P	-124J				
-51F	-154J	-51P	-154J				
-52F	-184J	-52P	-184J				
-53F	-224J	-53P	-224J				
-54F	-274J	-54P	-274J				
-55F	-334J	-55P	-334J				
-56F	-394J	-56P	-394J				
-57F	-474J	-57P	-474J				
-58F	-564J	-58P	-564J				
-59F	-684J	-59P	-684J				
-60F	-824J	-60P	-824J				
-61F	-105J	-61P	-105J				

MIL-PRF-27/ to Delevan Conversion Chart

GOV'T PART #	DELEVAN PART #	GOV'T PART #	DELEVAN PART #	GOV'T PART #	DELEVAN PART #
M27/367	**MIL4922**	**M27/368**	**MILP1812-**	**M27/370**	**MIL8532**
-01	-221	-01	-102K	-01	-01L
-02	-271	-02	-122K	-02	-02L
-03	-331	-03	-152K	-03	-03L
-04	-391	-04	-182K	-04	-04L
-05	-471	-05	-222K	-05	-05L
-06	-561	-06	-272K	-06	-06L
-07	-681	-07	-332K	-07	-07L
-08	-821	-08	-392K	-08	-08L
-09	-01	-09	-472K	-09	-09L
-10	-02	-10	-562K	-10	-10L
-11	-03	-11	-682K	-11	-11L
-12	-04	-12	-822K	-12	-12L
-13	-05	-13	-103K	-13	-13L
-14	-06	-14	-123K	-14	-14L
-15	-07	-15	-153K	-15	-15L
-16	-08	-16	-183K	-16	-16L
-17	-09	-17	-223K	-17	-17L
-18	-10	-18	-273K	-18	-18L
-19	-11	-19	-333K	-19	-19L
-20	-12	-20	-393K	-20	-20L
-21	-13	-21	-473K	-21	-21L
-22	-14	-22	-563K	-22	-22L
-23	-15	-23	-683K	-23	-23L
-24	-16	-24	-823K	-24	-24L
-25	-17	-25	-104K	-25	-25L
-26	-18	-26	-124K	-26	-26L
-27	-19	-27	-154K	-27	-27L
-28	-20	-28	-184K	-28	-28L
-29	-21	-29	-224K	-29	-29L
-30	-22	-30	-274K	-30	-30L
-31	-23	-31	-334K	-31	-31L
-32	-24			-32	-32L
-33	-25			-33	-33L
-34	-26			-34	-34L
-35	-27			-35	-35L
-36	-28			-36	-36L
-37	-29			-37	-37L
-38	-30			-38	-38L
-39	-31			-39	-39L
-40	-32			-40	-40L
-41	-33			-41	-41L
-42	-34			-42	-42L
-43	-35			-43	-43L
-44	-36			-44	-44L
-45	-37			-45	-45L
-46	-38			-46	-46L
-47	-39			-47	-47L
-48	-40			-48	-48L
-49	-41			-49	-49L
-50	-42			-50	-50L
-51	-43			-51	-51L
-52	-44			-52	-52L
-53	-45				
-54	-46				
-55	-47				
-56	-48				
-57	-49				
-58	-50				
-59	-51				
-60	-52				
-61	-53				

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