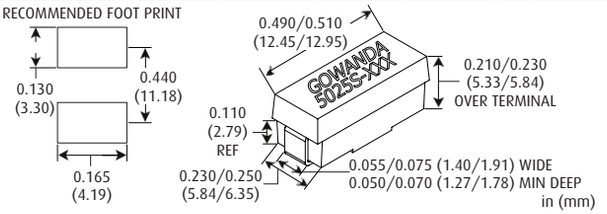
SMRF5025S SERIES

Pb TRADITIONAL RoHS COMPLIANT

Molded Shielded Inductor



PART NUMBER	L µH	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC	INC I mA DC
PHENOLIC CORE / POWDERED IRON SLEEVE							
SMRF5025S-100K	0.10	45	25	450	0.025	3900	3900
SMRF5025S-120K	0.12	45	25	425	0.034	3345	3345
SMRF5025S-150K	0.15	45	25	400	0.037	3195	3195
SMRF5025S-180K	0.18	45	25	350	0.047	2835	2835
SMRF5025S-220K	0.22	40	25	325	0.067	2385	2385
SMRF5025S-270K	0.27	40	25	300	0.110	1855	1855
SMRF5025S-330K	0.33	40	25	275	0.130	1705	1705
SMRF5025S-390K	0.39	40	25	250	0.180	1450	1450
SMRF5025S-470K	0.47	40	25	235	0.250	1235	1235
SMRF5025S-560K	0.56	40	25	210	0.330	1075	1075
SMRF5025S-680K	0.68	40	25	190	0.450	915	915
SMRF5025S-820K	0.82	40	25	180	0.590	800	800
POWDERED IRON CORE / POWDERED IRON SLEEVE							
SMRF5025S-101K	1.0	40	25	119	0.070	2320	2320
SMRF5025S-121K	1.2	40	7.9	111	0.100	1920	1920
SMRF5025S-151K	1.5	40	7.9	98	0.120	1780	1780
SMRF5025S-181K	1.8	40	7.9	89	0.140	1650	1650
SMRF5025S-221K	2.2	40	7.9	85	0.190	1420	1420
SMRF5025S-271K	2.7	40	7.9	78	0.280	1160	1160
SMRF5025S-331K	3.3	40	7.9	72	0.350	1045	1045
SMRF5025S-391K	3.9	40	7.9	64	0.400	970	970
SMRF5025S-471K	4.7	40	7.9	60	0.550	830	830
SMRF5025S-561K	5.6	40	7.9	55	0.720	725	725
SMRF5025S-681K	6.8	40	7.9	47	1.02	610	610
SMRF5025S-821K	8.2	40	7.9	43	1.32	535	535
SMRF5025S-102K	10	40	7.9	39	1.62	485	485
SMRF5025S-122K	12	40	2.5	37	2.00	440	440
FERRITE CORE / FERRITE SLEEVE							
SMRF5025S-152K	15	40	2.5	42	0.80	618	300
SMRF5025S-182K	18	40	2.5	38	0.89	580	250
SMRF5025S-222K	22	40	2.5	35	0.96	561	210
SMRF5025S-272K	27	40	2.5	32	1.19	504	195
SMRF5025S-332K	33	40	2.5	29	1.37	471	160
SMRF5025S-392K	39	40	2.5	25	1.93	397	150
SMRF5025S-472K	47	40	2.5	23	2.11	380	135
SMRF5025S-562K	56	40	2.5	21	2.23	369	124
SMRF5025S-682K	68	40	2.5	18	2.70	355	122
SMRF5025S-822K	82	40	2.5	10.5	2.44	342	120
SMRF5025S-103K	100	40	2.5	10	3.12	312	113
SMRF5025S-123K	120	55	0.79	9.7	3.60	291	98
SMRF5025S-153K	150	55	0.79	8.5	4.10	272	84
SMRF5025S-183K	180	55	0.79	8	4.40	263	76
SMRF5025S-223K	220	55	0.79	7.5	5.00	247	67
SMRF5025S-273K	270	55	0.79	7	5.80	228	60
SMRF5025S-333K	330	55	0.79	6.5	6.40	218	55
SMRF5025S-393K	390	60	0.79	6.2	7.40	203	46
SMRF5025S-473K	470	60	0.79	5.7	9.50	178	43
SMRF5025S-563K	560	60	0.79	4.7	10.5	171	40
SMRF5025S-683K	680	60	0.79	4.5	11.8	160	38
SMRF5025S-823K	820	60	0.79	4.2	13	152	33
SMRF5025S-104K	1000	60	0.79	3.8	17.5	134	29
SMRF5025S-124K	1200	50	0.25	3.0	22.1	120	28
SMRF5025S-154K	1500	50	0.25	2.8	26.5	115	27
SMRF5025S-184K	1800	50	0.25	2.6	29.9	110	24
SMRF5025S-224K	2200	50	0.25	2.4	33.8	104	22
SMRF5025S-274K	2700	50	0.25	2.2	47.3	88	20
SMRF5025S-334K	3300	50	0.25	2.0	53	85	19
SMRF5025S-394K	3900	50	0.25	1.9	73.8	72	17
SMRF5025S-474K	4700	50	0.25	1.7	81.6	68	15
SMRF5025S-564K	5600	50	0.25	1.6	98.9	61	14
SMRF5025S-684K	6800	50	0.25	1.4	111	59	13
SMRF5025S-824K	8200	50	0.25	1.2	119	57	12
SMRF5025S-105K	10000	50	0.25	1.0	137	54	11

NOTES

- **Operating Temperature Range:** -55°C to +125°C
- **Current Rating** is based on a 35°C temperature rise at an ambient temperature of 90°C
- **Incremental Current** is the approximate value that will reduce the initial inductance by 5%
- **Weight Max:** 0.95 grams
- **Marking:** GOWANDA; 5025S-XXX (dash number) (see diagram above)
- Magnetically shielded
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering
- Materials are fungus-inert to meet method 508 of MIL-STD-810H
- Custom designs are available to meet your specific requirements; please contact factory
- **Applications include:** Electronic test equipment, medical equipment, telecommunications, disk drives, computers and modems, aviation equipment, navigation equipment and cable TV.

PART NUMBER DERIVATION

SMRF5025S - 100 K LF

GEC Series

Inductance: 2 signif. digits & mult.
ex: 100 = 0.10µH, 101 = 1.0µH, 102 = 10µH, 103 = 100µH

Tolerance: M = 20%, K = 10%
(Table shows lowest standard tolerance option)
* Optional tolerances are available; contact factory

Termination: LF = RoHS, No Suffix = SnPB (Standard)

TAPE AND REEL SPECS

Pieces/reel maximum:	800
Pitch between parts:	12 mm
Tape width:	24 mm
Reel diameter:	13 in.

One Magnetics Parkway
Gowanda, New York 14070, USA

sales@gowanda.com P +1.716.532.2234

Made in the U.S.A.

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