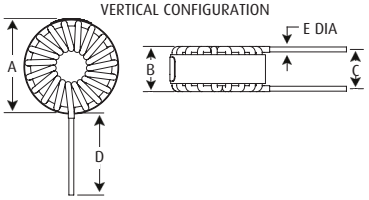
AT SERIES

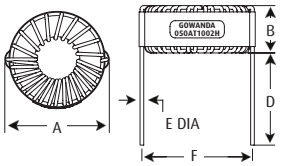
Pb TRADITIONAL | RoHS COMPLIANT

Horizontal & Vertical Mount
Open Construction Toroidal Inductor

VERTICAL CONFIGURATION



HORIZONTAL CONFIGURATION



PART NUMBER	L µH @ 1 kHz	DCR Ω MAX	SRF MHz MIN	CURRENT RATING A DC	INC I A DC ΔL 10%	INC I A DC ΔL 20%	DIMENSIONS					
							A DIM MAX	B DIM MAX	C DIM MAX	D DIM NOM	E DIM NOM	F DIM NOM
050AT1002_	10	0.010	35	7.36	6.00	8.70	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.036 (0.91)	0.600 (15.24)
050AT2502_	25	0.020	10	5.20	3.60	5.30	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.032 (0.81)	0.600 (15.24)
050AT5002_	50	0.035	7.0	3.93	2.00	3.10	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.028 (0.71)	0.600 (15.24)
050AT7502_	75	0.045	5.0	3.47	1.60	2.50	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.025 (0.64)	0.600 (15.24)
050AT1003_	100	0.055	4.0	3.14	1.50	2.20	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.025 (0.64)	0.600 (15.24)
050AT1503_	150	0.100	2.0	2.33	1.20	1.80	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.020 (0.51)	0.600 (15.24)
050AT2003_	200	0.140	1.7	1.97	1.00	1.60	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.018 (0.46)	0.600 (15.24)
050AT2503_	250	0.160	1.5	1.84	0.90	1.40	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.018 (0.46)	0.600 (15.24)
050AT3303_	330	0.190	1.0	1.69	0.80	1.20	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.018 (0.46)	0.600 (15.24)
121AT1002_	10	0.010	20	8.27	9.0	14.0	0.820 (20.83)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.040 (1.02)	0.780 (19.81)
121AT2502_	25	0.017	8.0	6.34	7.0	10.5	0.820 (20.83)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.040 (1.02)	0.780 (19.81)
121AT5002_	50	0.030	4.0	4.77	3.9	6.00	0.820 (20.83)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.036 (0.91)	0.780 (19.81)
121AT7502_	75	0.045	3.0	3.90	3.9	5.80	0.820 (20.83)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.032 (0.81)	0.780 (19.81)
121AT1003_	100	0.065	2.0	3.24	3.4	5.20	0.820 (20.83)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.028 (0.71)	0.780 (19.81)
121AT1503_	150	0.095	1.5	2.68	3.3	4.80	0.850 (21.89)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.025 (0.64)	0.780 (19.81)
121AT2503_	250	0.160	1.0	2.07	2.2	3.20	0.850 (21.89)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.023 (0.58)	0.780 (19.81)
059AT1002_	10	0.008	20	14.5	15	20	1.100 (27.94)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.051 (1.30)	1.050 (26.67)
059AT2502_	25	0.011	8.0	9.8	11	16	1.100 (27.94)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.051 (1.30)	1.050 (26.67)
059AT5002_	50	0.022	4.0	6.9	8.3	12	1.100 (27.94)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.045 (1.14)	1.050 (26.67)
059AT7502_	75	0.030	3.0	5.9	6.7	9.1	1.100 (27.94)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.040 (1.02)	1.050 (26.67)
059AT1003_	100	0.044	2.0	4.9	6.5	8.2	1.100 (27.94)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.036 (0.91)	1.050 (26.67)
059AT1503_	150	0.052	1.0	4.5	4.2	6.0	1.100 (27.94)	0.475 (12.07)	0.450 (11.43)	0.500 (12.70)	0.036 (0.91)	1.050 (26.67)
059AT2503_	250	0.088	1.0	3.5	4.0	5.6	1.150 (29.21)	0.475 (12.07)	0.450 (11.43)	0.500 (12.70)	0.032 (0.81)	1.050 (26.67)
059AT5003_	500	0.160	0.80	2.6	2.7	3.8	1.150 (29.21)	0.475 (12.07)	0.450 (11.43)	0.500 (12.70)	0.028 (0.71)	1.050 (26.67)
059AT7503_	750	0.240	0.60	2.1	1.8	2.7	1.150 (29.21)	0.475 (12.07)	0.450 (11.43)	0.500 (12.70)	0.025 (0.64)	1.050 (26.67)
894AT2502_	25	0.012	8.0	12.8	13.5	20	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.051 (1.30)	1.250 (31.75)
894AT5002_	50	0.016	4.0	9.9	10.8	15.2	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.051 (1.30)	1.250 (31.75)
894AT7502_	75	0.023	3.0	8.0	8.0	12.0	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.051 (1.30)	1.250 (31.75)
894AT1003_	100	0.023	2.0	8.0	7.1	10.6	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.051 (1.30)	1.250 (31.75)
894AT1503_	150	0.035	1.0	6.5	7.1	9.0	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.045 (1.14)	1.250 (31.75)
894AT2503_	250	0.060	1.0	5.0	7.1	6.8	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.040 (1.02)	1.250 (31.75)
894AT5003_	500	0.131	0.80	3.4	3.1	4.6	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.032 (0.81)	1.250 (31.75)
894AT7503_	750	0.160	0.60	3.0	3.1	4.0	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.032 (0.81)	1.250 (31.75)
894AT1004_	1000	0.235	0.40	2.4	2.3	3.5	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.028 (0.71)	1.250 (31.75)
083AT1002V	10	0.0036	26	30	42	65	1.900 (48.26)	0.850 (21.60)	0.700 (17.80)	0.500 (12.70)	0.081 (2.06)	-
083AT2502V	25	0.0062	13	23	25	40	1.900 (48.26)	0.850 (21.60)	0.700 (17.80)	0.500 (12.70)	0.081 (2.06)	-
083AT5002V	50	0.0082	6.0	19	16	25	1.900 (48.26)	0.850 (21.60)	0.700 (17.80)	0.500 (12.70)	0.081 (2.06)	-
083AT7502V	75	0.0150	5.0	14	13	21	1.900 (48.26)	0.850 (21.60)	0.700 (17.80)	0.500 (12.70)	0.064 (1.60)	-
083AT1003V	100	0.0190	4.0	13	12	18	1.900 (48.26)	0.850 (21.60)	0.700 (17.80)	0.500 (12.70)	0.064 (1.60)	-

NOTES

- **Operating Temperature Range:** -55°C to +130°C
- **Current Rating** is based on a 40°C temperature rise at an ambient temperature of 90°C
- **Incremental Current** is the approximate value that will cause a percentage drop in inductance as indicated in the table
- **Weight Max:** 5 grams (050ATH Series), 4.75 grams (050ATV Series), 11 grams (121ATH Series), 10 grams (121ATV Series), 23 grams (059ATH Series), 22 grams (059ATV Series), 48 grams (894ATH Series), 47 grams (894ATV Series), 115 grams (083ATV Series)
- **Marking:** GOWANDA; Series; XXXXVSM (dash number) (see diagram above)
- Excellent Electromagnetic Shielding
- Leads are stripped and tinned to within 0.062 in. of the coil body
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION

050AT 1002 V LF

GEC Series

Inductance: 3 signif. digits & mult.
ex: 1002 = 10µH, 1003 = 100µH

Mounting Configuration: V = Vertical, H = Horizontal

Tolerance: All part numbers provide 10% tolerance on inductance
*Optional tolerances are available; contact factory

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

PACKAGING SPECS

Bulk Only

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Gowanda, New York 14070, USA

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Made in the U.S.A.

REV: ISSUE
DATE: 21JUN23