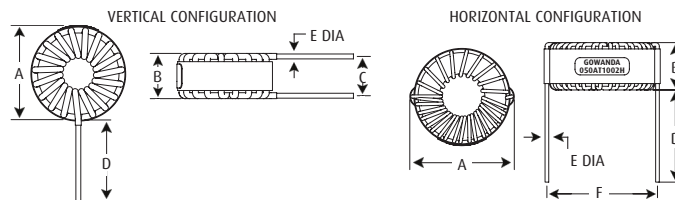


AT SERIES  

Horizontal & Vertical Mount
Open Construction Toroidal Inductor

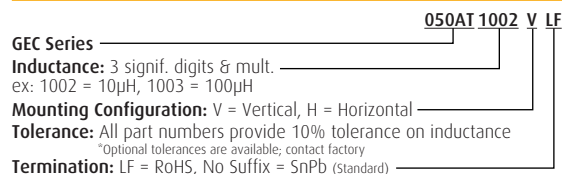


| PART NUMBER | L μ H @ 1 kHz | DCR Ω MAX | SRF MHz MIN | CURRENT RATING A DC | INC I A DC Δ L 10% | INC I A DC Δ L 20% | DIMENSIONS | | | | | |
|-------------|-------------------|------------------|-------------|---------------------|---------------------------|---------------------------|---------------|---------------|---------------|---------------|--------------|---------------|
| | | | | | | | 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



PACKAGING SPECS

Bulk Only