



ATVSM

ATVSMLF*

Wirewound, Toroidal, Vertical Mount

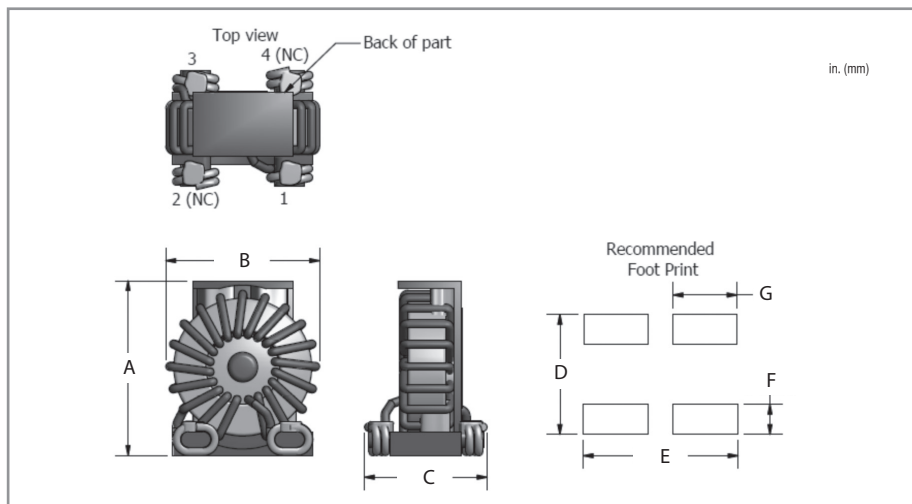
PART NUMBER	L μ H @ 1kHz	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING A DC	INC I Δ L 10%	INC I Δ L 20%	DIMENSIONS						
							A MAX	B MAX	C MAX	D NOM	E NOM	F NOM	G NOM
030AT1002VSM	10	35.0	0.050	2.56	2.20	3.40	0.480 (12.20)	0.440 (11.18)	0.400 (10.16)	0.415 (10.54)	0.435 (11.05)	0.100 (2.54)	0.125 (3.17)
030AT2502VSM	25	25.0	0.070	2.16	1.40	2.10	0.480 (12.20)	0.440 (11.18)	0.400 (10.16)	0.415 (10.54)	0.435 (11.05)	0.100 (2.54)	0.125 (3.17)
030AT5002VSM	50	10.0	0.100	1.81	1.20	1.30	0.480 (12.20)	0.440 (11.18)	0.400 (10.16)	0.415 (10.54)	0.435 (11.05)	0.100 (2.54)	0.125 (3.17)
030AT7502VSM	75	7.0	0.125	1.62	0.80	1.20	0.480 (12.20)	0.440 (11.18)	0.400 (10.16)	0.415 (10.54)	0.435 (11.05)	0.100 (2.54)	0.125 (3.17)
030AT1003VSM	100	6.0	0.145	1.50	0.60	1.00	0.480 (12.20)	0.440 (11.18)	0.400 (10.16)	0.415 (10.54)	0.435 (11.05)	0.100 (2.54)	0.125 (3.17)
030AT1503VSM	150	3.5	0.185	1.33	0.60	1.00	0.480 (12.20)	0.440 (11.18)	0.400 (10.16)	0.415 (10.54)	0.435 (11.05)	0.100 (2.54)	0.125 (3.17)
030AT2003VSM	200	3.0	0.300	1.04	0.50	0.70	0.480 (12.20)	0.440 (11.18)	0.400 (10.16)	0.415 (10.54)	0.435 (11.05)	0.100 (2.54)	0.125 (3.17)
030AT2503VSM	250	3.0	0.355	0.96	0.50	0.70	0.480 (12.20)	0.440 (11.18)	0.400 (10.16)	0.415 (10.54)	0.435 (11.05)	0.100 (2.54)	0.125 (3.17)
050AT3901VSM†	3.9	35.0	0.006	9.50	8.50	12.00	0.740 (18.80)	0.625 (15.87)	0.550 (13.97)	0.555 (14.10)	0.645 (16.38)	0.140 (3.56)	0.260 (6.60)
050AT8201VSM†	8.2	35.0	0.008	8.20	6.00	8.70	0.740 (18.80)	0.625 (15.87)	0.550 (13.97)	0.555 (14.10)	0.645 (16.38)	0.140 (3.56)	0.260 (6.60)
050AT1002VSM	10	35.0	0.010	7.36	6.00	8.70	0.740 (18.80)	0.625 (15.87)	0.550 (13.97)	0.555 (14.10)	0.645 (16.38)	0.140 (3.56)	0.260 (6.60)
050AT1502VSM	15	30.0	0.012	6.70	4.00	6.20	0.740 (18.80)	0.625 (15.87)	0.550 (13.97)	0.555 (14.10)	0.645 (16.38)	0.140 (3.56)	0.260 (6.60)
050AT2502VSM	25	10.0	0.020	5.20	3.60	5.30	0.740 (18.80)	0.625 (15.87)	0.550 (13.97)	0.555 (14.10)	0.645 (16.38)	0.140 (3.56)	0.260 (6.60)
050AT5002VSM	50	7.0	0.035	3.93	2.00	3.10	0.740 (18.80)	0.625 (15.87)	0.550 (13.97)	0.555 (14.10)	0.645 (16.38)	0.140 (3.56)	0.260 (6.60)
050AT7502VSM	75	5.0	0.045	3.47	1.60	2.50	0.740 (18.80)	0.625 (15.87)	0.550 (13.97)	0.555 (14.10)	0.645 (16.38)	0.140 (3.56)	0.260 (6.60)
050AT1003VSM	100	4.0	0.055	3.14	1.50	2.20	0.740 (18.80)	0.625 (15.87)	0.550 (13.97)	0.555 (14.10)	0.645 (16.38)	0.140 (3.56)	0.260 (6.60)
050AT1503VSM	150	2.0	0.100	2.33	1.20	1.80	0.740 (18.80)	0.625 (15.87)	0.550 (13.97)	0.555 (14.10)	0.645 (16.38)	0.140 (3.56)	0.260 (6.60)
050AT2003VSM	200	1.7	0.140	1.97	1.00	1.60	0.740 (18.80)	0.625 (15.87)	0.550 (13.97)	0.555 (14.10)	0.645 (16.38)	0.140 (3.56)	0.260 (6.60)
050AT2503VSM	250	1.5	0.160	1.84	0.90	1.40	0.740 (18.80)	0.625 (15.87)	0.550 (13.97)	0.555 (14.10)	0.645 (16.38)	0.140 (3.56)	0.260 (6.60)
050AT3303VSM	330	1.0	0.190	1.69	0.80	1.20	0.740 (18.80)	0.625 (15.87)	0.550 (13.97)	0.555 (14.10)	0.645 (16.38)	0.140 (3.56)	0.260 (6.60)
121AT1002VSM	10	20.0	0.010	8.72	9.00	14.00	0.900 (22.86)	0.830 (21.08)	0.625 (15.57)	0.600 (15.24)	0.775 (19.68)	0.150 (3.81)	0.320 (8.13)
121AT2502VSM	25	8.0	0.017	6.34	7.00	10.50	0.900 (22.86)	0.830 (21.08)	0.625 (15.57)	0.600 (15.24)	0.775 (19.68)	0.150 (3.81)	0.320 (8.13)
121AT5002VSM	50	4.0	0.030	4.77	3.90	6.00	0.900 (22.86)	0.830 (21.08)	0.625 (15.57)	0.600 (15.24)	0.775 (19.68)	0.150 (3.81)	0.320 (8.13)
121AT7502VSM	75	3.0	0.045	3.90	3.90	5.80	0.900 (22.86)	0.830 (21.08)	0.625 (15.57)	0.600 (15.24)	0.775 (19.68)	0.150 (3.81)	0.320 (8.13)
121AT1003VSM	100	2.0	0.065	3.24	3.40	4.70	0.900 (22.86)	0.830 (21.08)	0.625 (15.57)	0.600 (15.24)	0.775 (19.68)	0.150 (3.81)	0.320 (8.13)
121AT1503VSM	150	1.5	0.095	2.68	3.30	4.80	0.900 (22.86)	0.830 (21.08)	0.625 (15.57)	0.600 (15.24)	0.775 (19.68)	0.150 (3.81)	0.320 (8.13)
121AT2503VSM	250	1.0	0.160	2.07	2.20	3.20	0.900 (22.86)	0.830 (21.08)	0.625 (15.57)	0.600 (15.24)	0.775 (19.68)	0.150 (3.81)	0.320 (8.13)

All part numbers provide 10% tolerance on inductance

† Part numbers provide 15% tolerance on inductance

Custom designs are available to meet your specific requirements; please contact factory

***Add "LF" suffix for RoHS requirement. Example: 030AT1002VSMLF**
 Gowanda designates a component RoHS-compliant by adding "LF" (lead free) to the part number. These LF components meet the $\leq .1\%$ lead requirement and they are compatible with 260°C soldering processes.



NOTES:

- Operating Temperature Range: -55°C to +125°C
- Current Rating is based on a 40°C temperature rise at an ambient temperature of 85°C
- Incremental Current is the approximate value that will cause a percentage drop in inductance as indicated in the table
- Excellent Electromagnetic Shielding

TAPE AND REEL SPECS: 030 Series

Pcs./Reel maximum: 225
 Pitch between parts: 24 mm
 Inside tape spacing: 32 mm
 Reel diameter: 12 in.

TAPE AND REEL SPECS: 050 Series

Pcs./Reel maximum: 120
 Pitch between parts: 24 mm
 Inside tape spacing: 32 mm
 Reel diameter: 12 in.

TAPE AND REEL SPECS: 121 Series

Pcs./Reel maximum: 65
 Pitch between parts: 32 mm
 Inside tape spacing: 56 mm
 Reel diameter: 12 in.