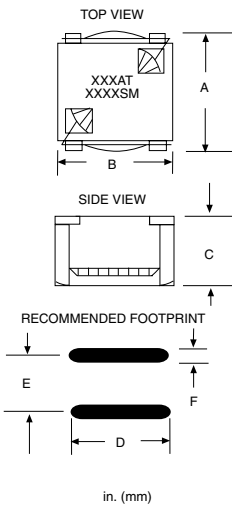


ATSM High Current Toroidal Inductors



PART NUMBER	L μ H @ 1kHz \pm 10%	CURRENT RATING* ADC	INCR.I ADC** Δ L 10%	INCR.I ADC** Δ L 20%	DCR OHMS MAX.	SRF MHz MIN.	A DIM MAX.	B DIM MAX.	C DIM MAX.	D DIM NOM.	E DIM NOM.	F DIM NOM.
121AT1002SM	10	8.27	9.0	14.0	.010	20.0	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.78)	.820 (20.83)	.080 (2.03)
121AT2502SM	25	6.34	7.0	10.5	.017	8.0	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.78)	.820 (20.83)	.080 (2.03)
121AT5002SM	50	4.77	3.9	6.0	.030	4.0	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.78)	.820 (20.83)	.080 (2.03)
121AT7502SM	75	3.90	3.9	5.8	.045	3.0	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.78)	.820 (20.83)	.080 (2.03)
121AT1003SM	100	3.24	3.4	5.2	.065	2.0	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.78)	.820 (20.83)	.080 (2.03)
121AT1503SM	150	2.68	3.3	4.8	.095	1.5	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.78)	.820 (20.83)	.080 (2.03)
121AT2503SM	250	2.07	2.2	3.2	.160	1.0	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.78)	.820 (20.83)	.080 (2.03)
050AT1002SM	10	7.36	6.00	8.70	.010	35.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050AT2502SM	25	5.20	3.60	5.30	.020	10.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050AT5002SM	50	3.93	2.00	3.10	.035	7.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050AT7502SM	75	3.47	1.60	2.50	.045	5.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050AT1003SM	100	3.14	1.50	2.20	.055	4.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050AT1503SM	150	2.33	1.20	1.80	.100	3.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050AT2003SM	200	1.97	1.00	1.60	.140	2.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050AT2503SM	250	1.84	.90	1.40	.160	1.5	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050AT3303SM	330	1.69	.80	1.20	.190	1.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
040AT1002SM	10	4.84	3.80	5.70	.017	35.0	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040AT2502SM	25	3.38	2.20	3.50	.035	20.0	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040AT5002SM	50	1.90	1.70	2.50	.110	13.0	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040AT7502SM	75	1.69	1.30	2.00	.140	9.0	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040AT1003SM	100	1.60	1.10	1.70	.155	6.0	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040AT1503SM	150	1.45	.90	1.40	.190	3.5	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040AT2003SM	200	1.12	.70	1.10	.320	3.0	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040AT2503SM	250	1.05	.70	1.10	.360	2.5	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
030AT1002SM	10	2.56	2.20	3.40	.050	35.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030AT2502SM	25	2.16	1.40	2.10	.070	25.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030AT5002SM	50	1.81	1.20	1.30	.100	10.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030AT7502SM	75	1.62	.80	1.20	.125	7.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030AT1003SM	100	1.50	.60	1.00	.145	6.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030AT1503SM	150	1.33	.60	1.00	.185	3.5	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030AT2003SM	200	1.04	.50	.70	.300	3.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030AT2503SM	250	.96	.50	.70	.355	3.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
180AT1002SM	10	1.60	.90	1.40	.100	35.0	.340 (8.64)	.340 (8.64)	.270 (6.86)	.300 (7.62)	.270 (6.86)	.060 (1.52)
180AT2502SM	25	1.33	.60	.90	.145	30.0	.340 (8.64)	.340 (8.64)	.270 (6.86)	.300 (7.62)	.270 (6.86)	.060 (1.52)
180AT5002SM	50	1.12	.40	.60	.205	10.0	.340 (8.64)	.340 (8.64)	.270 (6.86)	.300 (7.62)	.270 (6.86)	.060 (1.52)
180AT7502SM	75	.99	.30	.50	.260	8.0	.340 (8.64)	.340 (8.64)	.270 (6.86)	.300 (7.62)	.270 (6.86)	.060 (1.52)
180AT1003SM	100	.92	.30	.40	.300	6.0	.340 (8.64)	.340 (8.64)	.270 (6.86)	.300 (7.62)	.270 (6.86)	.060 (1.52)



NOTES:

• Operating temperature -55°C to +130°C

*Rated current 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.

TAPE AND REEL SPECS: - 121 Parts:

Pcs./Reel maximum: 100
Pitch between parts: 36 mm
Tape width: 44 mm
Reel diameter inches: 13

TAPE AND REEL SPECS: - 050 Parts:

Pcs./Reel maximum: 170
Pitch between parts: 32 mm
Tape width: 32 mm
Reel diameter inches: 13

TAPE AND REEL SPECS: - 040 Parts:

Pcs./Reel maximum: 290
Pitch between parts: 24 mm
Tape width: 24 mm
Reel diameter inches: 13

TAPE AND REEL SPECS: - 030 Parts:

Pcs./Reel maximum: 430
Pitch between parts: 16 mm
Tape width: 24 mm
Reel diameter inches: 13

TAPE AND REEL SPECS: - 180 Parts:

Pcs./Reel maximum: 750
Pitch between parts: 12 mm
Tape width: 24 mm
Reel diameter inches: 13