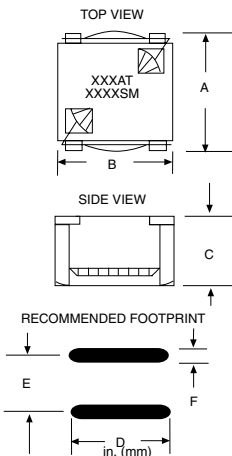


## ATSMLF High Current Toroidal Inductors



PART NUMBER	L $\mu$ H @ 1kHz $\pm 10\%$	CURRENT RATING* ADC	INCR.I ADC** $\Delta L 10\%$	INCR.I ADC** $\Delta L 20\%$	DCR OHMS MAX.	SRF MHz MIN.	A DIM MAX.	B DIM MAX.	C DIM MAX.	D DIM NOM.	E DIM NOM.	F DIM NOM.
121AT1002SMLF	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)
121AT2502SMLF	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)
121AT5002SMLF	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)
121AT7502SMLF	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)
121AT1003SMLF	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)
121AT1503SMLF	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)
121AT2503SMLF	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)
050AT1002SMLF	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)
050AT2502SMLF	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)
050AT5002SMLF	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)
050AT7502SMLF	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)
050AT1003SMLF	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)
050AT1503SMLF	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)
050AT2003SMLF	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)
050AT2503SMLF	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)
050AT3303SMLF	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)
040AT1002SMLF	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)
040AT2502SMLF	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)
040AT5002SMLF	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)
040AT7502SMLF	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)
040AT1003SMLF	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)
040AT1503SMLF	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)
040AT2003SMLF	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)
040AT2503SMLF	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)
030AT1002SMLF	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)
030AT2502SMLF	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)
030AT5002SMLF	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)
030AT7502SMLF	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)
030AT1003SMLF	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)
030AT1503SMLF	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)
030AT2003SMLF	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)
030AT2503SMLF	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)
180AT1002SMLF	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)
180AT2502SMLF	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)
180AT5002SMLF	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)
180AT7502SMLF	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)
180AT1003SMLF	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