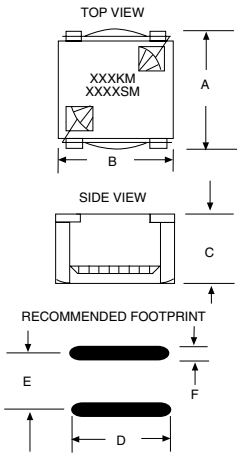




KMSMLF High Efficiency Toroidal Inductors

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.
121KM1002SMLF	10	8.27	5.30	9.10	.010	20.0	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.88)	.820 (20.83)	.080 (2.03)
121KM2502SMLF	25	6.34	3.30	5.70	.017	8.0	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.88)	.820 (20.83)	.080 (2.03)
121KM5002SMLF	50	4.77	2.30	4.00	.030	4.0	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.88)	.820 (20.83)	.080 (2.03)
121KM7502SMLF	75	3.90	1.80	3.10	.045	3.0	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.88)	.820 (20.83)	.080 (2.03)
121KM1003SMLF	100	3.24	1.60	2.80	.065	2.0	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.88)	.820 (20.83)	.080 (2.03)
121KM1503SMLF	150	2.68	1.30	2.20	.095	1.5	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.88)	.820 (20.83)	.080 (2.03)
121KM2503SMLF	250	2.07	0.90	1.70	.160	1.0	.940 (23.88)	.940 (23.88)	.510 (12.95)	.700 (17.88)	.820 (20.83)	.080 (2.03)
050KM1002SMLF	10	7.36	1.70	3.30	.010	35.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050KM2502SMLF	25	5.20	1.00	1.90	.020	10.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050KM5002SMLF	50	3.93	0.70	1.30	.035	7.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050KM7502SMLF	75	3.47	0.60	1.10	.045	5.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050KM1003SMLF	100	3.14	0.50	0.96	.055	4.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050KM1503SMLF	150	2.33	0.40	0.78	.100	3.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050KM2003SMLF	200	1.97	0.35	0.65	.140	2.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050KM2503SMLF	250	1.84	0.31	0.59	.160	1.5	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
050KM3303SMLF	330	1.69	0.27	0.50	.190	1.0	.700 (17.78)	.670 (17.02)	.405 (10.28)	.620 (15.75)	.590 (14.99)	.060 (1.52)
040KM1002SMLF	10	4.84	1.30	2.50	.017	35.0	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040KM2502SMLF	25	3.38	0.70	1.30	.035	20.0	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040KM5002SMLF	50	1.90	0.56	1.00	.110	13.0	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040KM7502SMLF	75	1.69	0.45	0.86	.140	9.0	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040KM1003SMLF	100	1.60	0.40	0.76	.155	6.0	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040KM1503SMLF	150	1.45	0.33	0.60	.190	3.5	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040KM2003SMLF	200	1.12	0.30	0.56	.320	3.0	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
040KM2503SMLF	250	1.05	0.25	0.48	.360	2.5	.565 (14.35)	.560 (14.22)	.360 (9.14)	.520 (13.21)	.460 (11.68)	.060 (1.52)
030KM1002SMLF	10	2.56	0.80	1.60	.050	35.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030KM2502SMLF	25	2.16	0.50	0.96	.070	25.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030KM5002SMLF	50	1.81	0.35	0.68	.100	10.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030KM7502SMLF	75	1.62	0.28	0.54	.125	7.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030KM1003SMLF	100	1.50	0.23	0.50	.145	6.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030KM1503SMLF	150	1.33	0.20	0.40	.185	3.5	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030KM2003SMLF	200	1.04	0.17	0.34	.300	3.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
030KM2503SMLF	250	.96	0.15	0.30	.355	3.0	.440 (11.18)	.435 (11.05)	.360 (9.14)	.400 (10.16)	.360 (9.14)	.060 (1.52)
180KM1002SMLF	10	1.60	0.43	0.86	.100	35.0	.340 (8.64)	.340 (8.64)	.270 (6.86)	.300 (7.62)	.270 (6.86)	.060 (1.52)
180KM2502SMLF	25	1.33	0.25	0.50	.145	30.0	.340 (8.64)	.340 (8.64)	.270 (6.86)	.300 (7.62)	.270 (6.86)	.060 (1.52)
180KM5002SMLF	50	1.12	0.18	0.35	.205	10.0	.340 (8.64)	.340 (8.64)	.270 (6.86)	.300 (7.62)	.270 (6.86)	.060 (1.52)
180KM7502SMLF	75	0.99	0.15	0.28	.260	8.0	.340 (8.64)	.340 (8.64)	.270 (6.86)	.300 (7.62)	.270 (6.86)	.060 (1.52)
180KM1003SMLF	100	0.92	0.13	0.25	.300	6.0	.340 (8.64)	.340 (8.64)	.270 (6.86)	.300 (7.62)	.270 (6.86)	.060 (1.52)



in. (mm)

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: - 12I 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