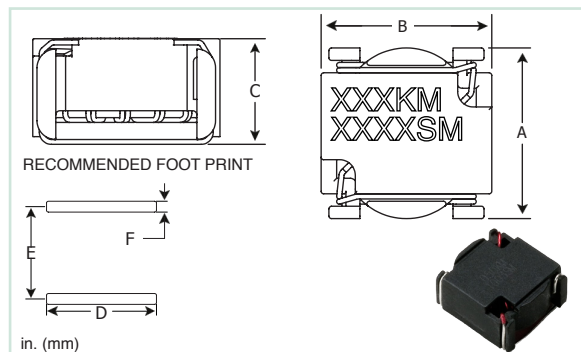


KMSM
KMSMLF

Toroidal Inductor



PART NUMBER	L μ H @ 1 kHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING A DC	INC I A DC Δ L 10%	INC I A DC Δ L 20%
180KM1002SM	10	35	0.100	1.60	0.43	0.86
180KM2502SM	25	30	0.145	1.33	0.25	0.50
180KM5002SM	50	10	0.205	1.12	0.18	0.35
180KM7502SM	75	8	0.260	0.99	0.15	0.28
180KM1003SM	100	6	0.300	0.92	0.13	0.25
030KM1002SM	10	35	0.050	2.56	0.80	1.60
030KM2502SM	25	25	0.070	2.16	0.50	0.96
030KM5002SM	50	10	0.100	1.81	0.35	0.68
030KM7502SM	75	7	0.125	1.62	0.28	0.54
030KM1003SM	100	6	0.145	1.50	0.23	0.50
030KM1503SM	150	3.5	0.185	1.33	0.20	0.40
030KM2003SM	200	3	0.300	1.04	0.17	0.34
030KM2503SM	250	3	0.355	0.96	0.15	0.30
040KM1002SM	10	35	0.017	4.84	1.30	2.50
040KM2502SM	25	20	0.035	3.38	0.70	1.30
040KM5002SM	50	13	0.110	1.90	0.56	1.00
040KM7502SM	75	9	0.140	1.69	0.45	0.86
040KM1003SM	100	6	0.155	1.60	0.40	0.76
040KM1503SM	150	3.5	0.190	1.45	0.33	0.60
040KM2003SM	200	3	0.320	1.12	0.30	0.56
040KM2503SM	250	2.5	0.360	1.05	0.25	0.48
050KM1002SM	10	35	0.010	7.36	1.70	3.30
050KM2502SM	25	10	0.020	5.20	1.00	1.90
050KM5002SM	50	7	0.035	3.93	0.70	1.30
050KM7502SM	75	5	0.045	3.47	0.60	1.10
050KM1003SM	100	4	0.055	3.14	0.50	0.96
050KM1503SM	150	3	0.100	2.33	0.40	0.78
050KM2003SM	200	2	0.140	1.97	0.35	0.65
050KM2503SM	250	1.5	0.160	1.84	0.31	0.59
050KM3303SM	330	1	0.190	1.69	0.27	0.50
121KM1002SM	10	20	0.010	8.72	5.30	9.10
121KM2502SM	25	8	0.017	6.34	3.30	5.70
121KM5002SM	50	4	0.030	4.77	2.30	4.00
121KM7502SM	75	3	0.045	3.90	1.80	3.10
121KM1003SM	100	2	0.065	3.24	1.60	2.80
121KM1503SM	150	1.5	0.095	2.68	1.30	2.20
121KM2503SM	250	1	0.160	2.07	0.90	1.70

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:**
180KMSM: 0.7 grams
030KMSM: 1.8 grams
040KMSM: 3.5 grams
050KMSM: 6.0 grams
121KMSM: 14.5 grams
- **Marking:** Series; XXXX (dash #); SM
180KM
1002SM
- Excellent Electromagnetic Shielding
- When ordering, specify **termination:**
180KM1002SMLF
- Tolerance:** All part numbers provide 10% tolerance on inductance
**Optional tolerances are available; contact factory*
- Termination:** LF = RoHS compliant tin-silver copper over copper
- Custom designs are available to meet your specific requirements; please contact factory

DIMENSIONS

SERIES	A DIM MAX	B DIM MAX	C DIM MAX	D DIM NOM	E DIM NOM	F DIM NOM
180ATSM	0.340 (8.64)	0.340 (8.64)	0.270 (6.86)	0.300 (7.62)	0.270 (6.86)	0.060 (1.52)
030ATSM	0.440 (11.18)	0.435 (11.05)	0.360 (9.14)	0.400 (10.16)	0.360 (9.14)	0.060 (1.52)
040ATSM	0.565 (14.35)	0.560 (14.22)	0.360 (9.14)	0.520 (13.21)	0.460 (11.68)	0.060 (1.52)
050ATSM	0.700 (17.78)	0.670 (17.02)	0.405 (10.28)	0.620 (15.75)	0.590 (14.99)	0.060 (1.52)
121ATSM	0.940 (23.88)	0.940 (23.88)	0.510 (12.95)	0.700 (17.78)	0.820 (20.83)	0.080 (2.03)

TAPE AND REEL SPECS:

	180KMSM	030KMSM	040KMSM	050KMSM	121KMSM
Pcs./Reel maximum:	750	430	290	170	100
Pitch between parts:	12 mm	16 mm	24 mm	32 mm	36 mm
Tape width:	24 mm	24 mm	24 mm	32 mm	44 mm
Reel diameter:	13 in.	13 in.	13 in.	13 in.	13 in.