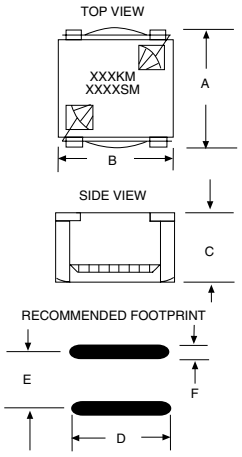
POWER INDUCTORS - SURFACE MOUNT

KMSM *High Efficiency Toroidal Inductors*

PART NUMBER	L µH @ 1kHz ± 10%	CURRENT RATING* ADC	INCR.I ADC** ΔL 10%	INCR.I ADC** ΔL 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.
121KM1002SM	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)
121KM2502SM	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)
121KM5002SM	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)
121KM7502SM	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)
121KM1003SM	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)
121KM1503SM	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)
121KM2503SM	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)
050KM1002SM	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)
050KM2502SM	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)
050KM5002SM	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)
050KM7502SM	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)
050KM1003SM	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)
050KM1503SM	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)
050KM2003SM	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)
050KM2503SM	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)
050KM3303SM	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)
040KM1002SM	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)
040KM2502SM	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)
040KM5002SM	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)
040KM7502SM	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)
040KM1003SM	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)
040KM1503SM	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)
040KM2003SM	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)
040KM2503SM	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)
030KM1002SM	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)
030KM2502SM	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)
030KM5002SM	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)
030KM7502SM	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)
030KM1003SM	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)
030KM1503SM	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)
030KM2003SM	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)
030KM2503SM	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)
180KM1002SM	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)
180KM2502SM	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)
180KM5002SM	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)
180KM7502SM	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)
180KM1003SM	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: - 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

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www.gowanda.com

One Magnetics Pkwy, Gowanda, NY 14070 • (t) 716-532-2234 • (f) 716-532-2702 • sales@gowanda.com