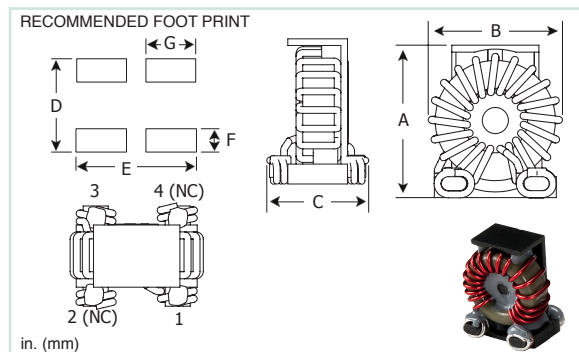


KMVSM
KMVSM LF

Vertical Mount 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%
030KM1002VSM	10	35	0.050	2.56	0.80	1.60
030KM1502VSM	25	25	0.070	2.16	0.50	0.96
030KM5002VSM	50	10	0.100	1.81	0.35	0.68
030KM7502VSM	75	7.0	0.125	1.62	0.28	0.54
030KM1003VSM	100	6.0	0.145	1.50	0.23	0.50
030KM1503VSM	150	3.5	0.185	1.33	0.20	0.40
030KM2003VSM	200	3.0	0.300	1.04	0.17	0.34
030KM2503VSM	250	3.0	0.355	0.96	0.15	0.30
050KM1002VSM	10	35	0.010	7.36	1.70	3.30
050KM2502VSM	25	10	0.020	5.20	1.00	1.90
050KM5002VSM	50	7.0	0.035	3.93	0.70	1.30
050KM7502VSM	75	5.0	0.045	3.47	0.60	1.10
050KM1003VSM	100	4.0	0.55	3.14	0.50	0.96
050KM1503VSM	150	2.0	0.100	2.33	0.40	0.78
050KM2003VSM	200	1.7	0.140	1.97	0.35	0.65
050KM2503VSM	250	1.5	0.160	1.84	0.31	0.59
050KM3303VSM	330	1.0	0.190	1.69	0.27	0.50
121KM1002VSM	10	20	0.010	8.72	5.30	9.10
121KM2502VSM	25	8.0	0.017	6.34	3.30	5.70
121KM5002VSM	50	4.0	0.030	4.77	2.30	4.00
121KM7502VSM	75	3.0	0.045	3.90	1.80	3.10
121KM1003VSM	100	2.0	0.065	3.24	1.60	2.80
121KM1503VSM	150	1.5	0.095	2.68	1.30	2.20
121KM2503VSM	250	1.0	0.160	2.07	0.90	1.70

DIMENSIONS							
SERIES	A DIM MAX	B DIM MAX	C DIM MAX	D DIM NOM	E DIM NOM	F DIM NOM	G DIM NOM
030KMVSM	0.480 (12.20)	0.440 (11.18)	0.400 (10.16)	0.415 (10.54)	0.435 (11.05)	0.100 (2.54)	0.125 (3.17)
050KMVSM	0.740 (18.80)	0.625 (15.87)	0.550 (13.97)	0.555 (14.10)	0.645 (16.38)	0.140 (3.56)	0.260 (6.60)
121KMVSM	0.900 (22.86)	0.830 (21.08)	0.625 (15.57)	0.600 (15.24)	0.775 (19.68)	0.150 (3.81)	0.320 (8.13)

NOTES:

- **Operating Temperature Range:**
-55°C to +125°C
- **Current Rating** is based on a 40°C temperature rise at an ambient temperature of 85°C
- **Incremental Current** is the approximate value that will cause a percentage drop in inductance as indicated in the table
- **Weight Max:**
030KMVSM: 1.78 grams
050KMVSM: 5.90 grams
121KMVSM: 12.23 grams
- **Marking:** Series; XXXX (dash #); VSM
030KM1002VSM
- When ordering, specify **termination:**
030KM1002VSM LF
- 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

TAPE AND REEL SPECS:	030KMVSM	050KMVSM	121KMVSM
Pcs./Reel maximum:	225	120	63
Pitch between parts:	24 mm	24 mm	32 mm
Inside tape spacing:	32 mm	32 mm	56 mm
Reel diameter:	13 in.	13 in.	13 in.