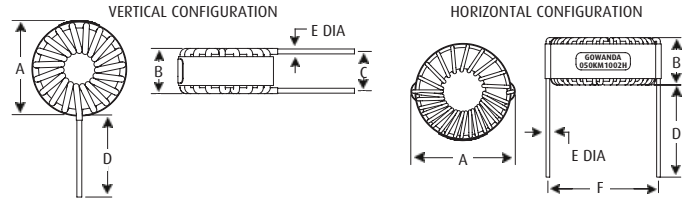


KM SERIES



Horizontal & Vertical Mount Open Construction
High Efficiency Toroidal Inductor

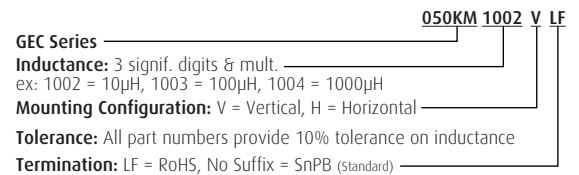


PART NUMBER	L μ H @ 1 kHz	DCR Ω MAX	SRF MHz MIN	CURRENT RATING A DC	INC I A DC Δ L 10%	INC I A DC Δ L 20%	DIMENSIONS					
							A DIM MAX	B DIM MAX	C DIM MAX	D DIM NOM	E DIM NOM	F DIM NOM
050KM1002	10	0.010	35	7.36	1.7	3.3	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.036 (0.91)	0.600 (15.24)
050KM2502	25	0.020	10	5.20	1.0	1.9	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.032 (0.81)	0.600 (15.24)
050KM5002	50	0.035	7	3.93	0.7	1.3	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.028 (0.71)	0.600 (15.24)
050KM7502	75	0.045	5	3.47	0.6	1.1	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.025 (0.64)	0.600 (15.24)
050KM1003	100	0.055	4	3.14	0.5	0.96	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.025 (0.64)	0.600 (15.24)
050KM1503	150	0.100	2	2.33	0.4	0.78	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.020 (0.51)	0.600 (15.24)
050KM2003	200	0.140	1.7	1.97	0.35	0.65	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.018 (0.46)	0.600 (15.24)
050KM2503	250	0.160	1.5	1.84	0.31	0.59	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.018 (0.46)	0.600 (15.24)
050KM3303	330	0.190	1.0	1.69	0.27	0.50	0.625 (15.88)	0.300 (7.62)	0.250 (6.35)	0.500 (12.70)	0.018 (0.46)	0.600 (15.24)
121KM1002	10	0.010	20	8.27	5.3	9.1	0.820 (20.83)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.040 (1.02)	0.780 (19.81)
121KM2502	25	0.017	8	6.34	3.3	5.7	0.820 (20.83)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.040 (1.02)	0.780 (19.81)
121KM5002	50	0.030	4	4.77	2.3	4.0	0.820 (20.83)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.036 (0.91)	0.780 (19.81)
121KM7502	75	0.045	3	3.90	1.8	3.1	0.820 (20.83)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.032 (0.81)	0.780 (19.81)
121KM1003	100	0.065	2	3.24	1.6	2.8	0.820 (20.83)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.028 (0.71)	0.780 (19.81)
121KM1503	150	0.095	1.5	2.68	1.3	2.2	0.850 (21.89)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.025 (0.64)	0.780 (19.81)
121KM2503	250	0.160	1.0	2.07	0.9	1.7	0.850 (21.89)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.023 (0.58)	0.780 (19.81)
059KM1002	10	0.008	20	14.5	7.6	13	1.100 (27.94)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.051 (1.30)	1.050 (26.67)
059KM2502	25	0.011	8	9.8	4.7	8.3	1.100 (27.94)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.051 (1.30)	1.050 (26.67)
059KM5002	50	0.022	4	6.9	3.3	5.7	1.100 (27.94)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.045 (1.14)	1.050 (26.67)
059KM7502	75	0.030	3	5.9	3.0	4.9	1.100 (27.94)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.040 (1.02)	1.050 (26.67)
059KM1003	100	0.044	2	4.9	2.4	4.2	1.100 (27.94)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.036 (0.91)	1.050 (26.67)
059KM1503	150	0.052	1	4.5	1.9	3.4	1.100 (27.94)	0.475 (12.07)	0.450 (11.43)	0.500 (12.70)	0.036 (0.91)	1.050 (26.67)
059KM2503	250	0.088	1	3.5	1.5	2.7	1.150 (29.21)	0.475 (12.07)	0.450 (11.43)	0.500 (12.70)	0.032 (0.81)	1.050 (26.67)
059KM5003	500	0.160	0.8	2.6	1.1	1.8	1.150 (29.21)	0.475 (12.07)	0.450 (11.43)	0.500 (12.70)	0.028 (0.71)	1.050 (26.67)
059KM7503	750	0.240	0.6	2.1	0.9	1.6	1.150 (29.21)	0.475 (12.07)	0.450 (11.43)	0.500 (12.70)	0.025 (0.64)	1.050 (26.67)
894KM2502	25	0.120	8	12.8	6.6	11	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.051 (1.30)	1.250 (31.75)
894KM5002	50	0.160	4	9.9	4.2	7.4	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.051 (1.30)	1.250 (31.75)
894KM7502	75	0.230	3	8.0	3.7	6.4	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.051 (1.30)	1.250 (31.75)
894KM1003	100	0.230	2	8.0	3.5	6.0	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.051 (1.30)	1.250 (31.75)
894KM1503	150	0.350	1	6.5	2.3	4.3	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.045 (1.14)	1.250 (31.75)
894KM2503	250	0.600	1	5.0	1.9	3.2	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.040 (1.02)	1.250 (31.75)
894KM5003	500	0.131	0.8	3.4	1.4	2.5	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.032 (0.81)	1.250 (31.75)
894KM7503	750	0.160	0.6	3.0	1.2	2.1	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.032 (0.81)	1.250 (31.75)
894KM1004	1000	0.235	0.4	2.4	1.0	1.8	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.028 (0.71)	1.250 (31.75)

NOTES

- Operating Temperature Range: -55°C to +130°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: 5 grams (050KMH Series), 4.75 grams (050KMV Series), 11 grams (121KMH Series), 10 grams (121KMV Series), 23 grams (059KMH Series), 22 grams (059KMV Series), 48 grams (894KMH Series), 47 grams (894KMV Series)
- Marking: GOWANDA; Part Number (see diagram above)
- Excellent Electromagnetic Shielding
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION



PACKAGING SPECS

Bulk Only