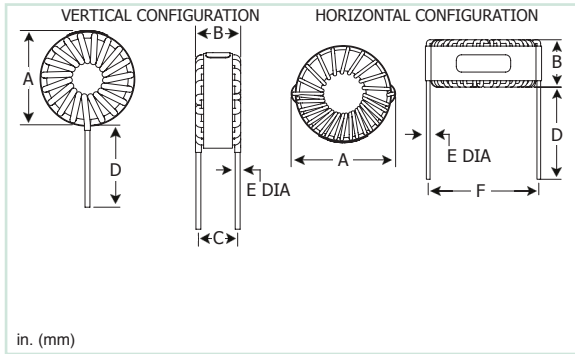


**KM** TRADITIONAL Pb  
**KMLF\*** RoHS COMPLIANT

**Toroidal Inductor**



PART NUMBER	L $\mu$ H @ 1 kHz	SRF MHz MIN	DCR $\Omega$ MAX	CURRENT RATING A DC	INC I A DC $\Delta$ L 10%	INC I A DC $\Delta$ L 20%
050KM1002_	10	35	0.010	7.36	1.7	3.3
050KM2502_	25	10	0.020	5.20	1.0	1.9
050KM5002_	50	7	0.035	3.93	0.70	1.3
050KM7502_	75	5	0.045	3.47	0.60	1.1
050KM1003_	100	4	0.055	3.14	0.50	0.96
050KM1503_	150	2	0.100	2.33	0.40	0.78
050KM2003_	200	1.7	0.140	1.97	0.35	0.65
050KM2503_	250	1.5	0.160	1.84	0.31	0.59
050KM3303_	330	1.0	0.190	1.69	0.27	0.50
121KM1002_	10	20	0.010	8.27	5.3	9.1
121KM2502_	25	8	0.017	6.34	3.3	5.7
121KM5002_	50	4	0.030	4.77	2.3	4.0
121KM7502_	75	3	0.045	3.90	1.8	3.1
121KM1003_	100	2	0.065	3.24	1.6	2.8
121KM1503_	150	1.5	0.095	2.68	1.3	2.2
121KM2503_	250	1.0	0.160	2.07	0.90	1.7
059KM1002_	10	20	0.008	14.5	7.6	13
059KM2502_	25	8	0.011	9.8	4.7	8.3
059KM5002_	50	4	0.022	6.9	3.3	5.7
059KM7502_	75	3	0.030	5.9	3.0	4.9
059KM1003_	100	2	0.044	4.9	2.4	4.2
059KM1503_	150	1	0.052	4.5	1.9	3.4
059KM2503_	250	1	0.088	3.5	1.5	2.7
059KM5003_	500	0.8	0.160	2.6	1.1	1.8
059KM7503_	750	0.6	0.240	2.1	0.90	1.6
894KM2502_	25	8	0.012	12.8	6.6	11
894KM5002_	50	4	0.016	9.9	4.2	7.4
894KM7502_	75	3	0.023	8.0	3.7	6.4
894KM1003_	100	2	0.023	8.0	3.5	6.0
894KM1503_	150	1	0.035	6.5	2.3	4.3
894KM2503_	250	1	0.060	5.0	1.9	3.2
894KM5003_	500	0.8	0.131	3.4	1.4	2.5
894KM7503_	750	0.6	0.160	3.0	1.2	2.1
894KM1004_	1000	0.4	0.235	2.4	1.0	1.8

**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:**
  - 050KMH: 5 grams
  - 050KMV: 4.75 grams
  - 121KMH: 11 grams
  - 121KMV: 10 grams
  - 059KMH: 23 grams
  - 059KMV: 22 grams
  - 894KMH: 48 grams
  - 894KMV: 47 grams
- **Marking:** GOWANDA; Series; XXXX (dash #); H or V  
GOWANDA  
050KM1002H
- Excellent Electromagnetic Shielding
- Leads are stripped and tinned to within 0.062 in. of the coil body
- When ordering, specify **mounting style & termination:**  
050KM1002HLF
- **Tolerance:** All part numbers provide 10% tolerance on inductance  
*\*Optional tolerances are available; contact factory*
- **Mounting Style:** H = Horizontal, V = Vertical
- **Termination:** LF = RoHS compliant tin-silver copper over copper
- Custom designs are available to meet your specific requirements; please contact factory

**PACKAGING SPECS:**

Bulk Only



Toroidal Inductor

PART NUMBER	DIMENSIONS					
	A DIM NOM	B DIM NOM	C DIM NOM	D DIM NOM	E DIM NOM	E DIM NOM
050KM1002_	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_	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_	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_	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_	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_	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_	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_	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_	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_	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_	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_	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_	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_	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_	0.850 (21.59)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.025 (0.64)	0.780 (19.81)
121KM2503_	0.850 (21.59)	0.400 (10.16)	0.320 (8.13)	0.500 (12.70)	0.023 (0.58)	0.780 (19.81)
059KM1002_	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_	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_	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_	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_	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_	1.100 (27.94)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.036 (0.91)	1.050 (26.67)
059KM2503_	1.150 (29.21)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.032 (0.81)	1.050 (26.67)
059KM5003_	1.150 (29.21)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.028 (0.71)	1.050 (26.67)
059KM7503_	1.150 (29.21)	0.475 (12.07)	0.370 (9.40)	0.500 (12.70)	0.025 (0.64)	1.050 (26.67)
894KM2502_	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_	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_	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_	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_	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_	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_	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_	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_	1.300 (33.02)	0.650 (16.51)	0.600 (15.24)	0.750 (19.05)	0.028 (0.71)	1.250 (31.75)