

KMHC KMHCLF*

Horizontal Mount Potted 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%
050KM1002HC	10	20.0	0.010	7.36	1.70	3.30
050KM2502HC	25	6.0	0.020	5.20	1.00	1.90
050KM5002HC	50	3.5	0.035	3.93	0.70	1.30
050KM7502HC	75	2.5	0.045	3.47	0.60	1.10
050KM1003HC	100	2.0	0.055	3.14	0.50	0.96
050KM1503HC	150	1.0	0.100	2.33	0.40	0.78
050KM2003HC	200	0.7	0.140	1.97	0.35	0.65
050KM2503HC	250	0.5	0.160	1.84	0.31	0.59
050KM3303HC	330	0.3	0.190	1.69	0.27	0.50
121KM1002HC	10	10.0	0.010	8.27	5.30	9.10
121KM2502HC	25	5.0	0.017	6.34	3.30	5.70
121KM5002HC	50	2.5	0.030	4.77	2.30	4.00
121KM7502HC	75	2.0	0.045	3.90	1.80	3.10
121KM1003HC	100	1.5	0.065	3.24	1.60	2.80
121KM1503HC	150	1.0	0.095	2.68	1.30	2.20
121KM2503HC	250	0.9	0.160	2.07	0.90	1.70
059KM1002HC	10	10.0	0.008	14.5	7.60	13.00
059KM2502HC	25	5.0	0.011	9.8	4.70	8.30
059KM5002HC	50	3.0	0.022	6.9	3.30	5.70
059KM7502HC	75	2.0	0.030	5.9	3.00	4.90
059KM1003HC	100	1.5	0.044	4.9	2.40	4.20
059KM1503HC	150	1.0	0.052	4.5	1.90	3.40
059KM2503HC	250	0.8	0.088	3.5	1.50	2.70
059KM5003HC	500	0.6	0.160	2.6	1.10	1.80
059KM7503HC	750	0.4	0.240	2.1	0.90	1.60
894KM2502HC	25	5.0	0.012	12.8	6.60	11.00
894KM5002HC	50	2.5	0.016	9.9	4.20	7.40
894KM7502HC	75	2.0	0.023	8.0	3.70	6.40
894KM1003HC	100	1.5	0.023	8.0	3.50	6.00
894KM1503HC	150	1.0	0.035	6.5	2.30	4.30
894KM2503HC	250	0.8	0.060	5.0	1.90	3.20
894KM5003HC	500	0.6	0.131	3.4	1.40	2.50
894KM7503HC	750	0.4	0.160	3.0	1.20	2.10
894KM1004HC	1000	0.3	0.235	2.4	1.00	1.80

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:**
050KMHC: 7.5 grams
121KMHC: 16 grams
059KMHC: 33 grams
894KMHC: 65 grams
- **Marking:** GOWANDA; Part Number
GOWANDA
050KM1002HC
- Excellent Electromagnetic Shielding
- When ordering, specify **termination:**
050KM1002HCLF
- 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

PACKAGING SPECS:

Bulk Only

KMHC 
KMHCLF* 

Horizontal Mount Potted Toroidal Inductor

PART NUMBER	DIMENSIONS			
	D DIM NOM	H DIM NOM	T DIM NOM	E DIM NOM
050KM1002HC	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.036 (0.91)
050KM2502HC	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.032 (0.81)
050KM5002HC	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.028 (0.71)
050KM7502HC	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.025 (0.64)
050KM1003HC	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.025 (0.64)
050KM1503HC	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.020 (0.51)
050KM2003HC	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.018 (0.46)
050KM2503HC	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.018 (0.46)
050KM3303HC	0.750 (19.05)	0.425 (10.80)	0.560 (14.22)	0.018 (0.46)
121KM1002HC	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.040 (1.02)
121KM2502HC	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.040 (1.02)
121KM5002HC	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.036 (0.91)
121KM7502HC	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.032 (0.81)
121KM1003HC	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.028 (0.71)
121KM1503HC	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.025 (0.64)
121KM2503HC	0.950 (24.13)	0.550 (13.97)	0.750 (19.05)	0.023 (0.58)
059KM1002HC	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.051 (1.30)
059KM2502HC	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.051 (1.30)
059KM5002HC	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.045 (1.14)
059KM7502HC	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.040 (1.02)
059KM1003HC	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.036 (0.91)
059KM1503HC	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.036 (0.91)
059KM2503HC	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.032 (0.81)
059KM5003HC	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.028 (0.71)
059KM7503HC	1.250 (31.75)	0.650 (16.51)	1.050 (26.67)	0.025 (0.64)
894KM2502HC	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.051 (1.30)
894KM5002HC	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.051 (1.30)
894KM7502HC	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.051 (1.30)
894KM1003HC	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.051 (1.30)
894KM1503HC	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.045 (1.14)
894KM2503HC	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.040 (1.02)
894KM5003HC	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.032 (0.81)
894KM7503HC	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.032 (0.81)
894KM1004HC	1.450 (36.83)	0.850 (21.59)	1.200 (30.48)	0.028 (0.71)