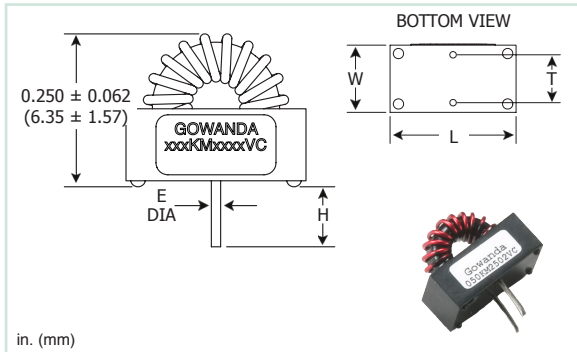


KMVC TRADITIONAL Pb
KMVCLF * RoHS COMPLIANT

Vertical 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%
050KM1002VC	10	35.0	0.010	7.36	1.70	3.30
050KM2502VC	25	10.0	0.020	5.20	1.00	1.90
050KM5002VC	50	4.0	0.035	3.93	0.70	1.30
050KM7502VC	75	3.5	0.045	3.47	0.60	1.10
050KM1003VC	100	2.5	0.055	3.14	0.50	0.96
050KM1503VC	150	1.5	0.100	2.33	0.40	0.78
050KM2003VC	200	1.3	0.140	1.97	0.35	0.65
050KM2503VC	250	1.0	0.160	1.84	0.31	0.59
050KM3303VC	330	0.8	0.190	1.69	0.27	0.50
121KM1002VC	10	20.0	0.010	8.27	5.30	9.10
121KM2502VC	25	6.5	0.017	6.34	3.30	5.70
121KM5002VC	50	3.5	0.030	4.77	2.30	4.00
121KM7502VC	75	2.5	0.045	3.90	1.80	3.10
121KM1003VC	100	2.0	0.065	3.24	1.60	2.80
121KM1503VC	150	1.5	0.095	2.68	1.30	2.20
121KM2503VC	250	1.0	0.160	2.07	0.90	1.70
059KM1002VC	10	10.0	0.008	14.5	7.60	13.00
059KM2502VC	25	8.0	0.011	9.8	4.70	8.30
059KM5002VC	50	3.5	0.022	6.9	3.30	5.70
059KM7502VC	75	2.5	0.030	5.9	3.00	4.90
059KM1003VC	100	2.0	0.044	4.9	2.40	4.20
059KM1503VC	150	1.0	0.052	4.5	1.90	3.40
059KM2503VC	250	0.9	0.088	3.5	1.50	2.70
059KM5003VC	500	0.7	0.160	2.6	1.10	1.80
059KM7503VC	750	0.5	0.240	2.1	0.90	1.60
894KM2502VC	25	8.0	0.012	12.8	6.60	11.00
894KM5002VC	50	4.0	0.016	9.9	4.20	7.40
894KM7502VC	75	2.5	0.023	8.0	3.70	6.40
894KM1003VC	100	2.0	0.023	8.0	3.50	6.00
894KM1503VC	150	1.0	0.035	6.5	2.30	4.30
894KM2503VC	250	0.9	0.060	5.0	1.90	3.20
894KM5003VC	500	0.7	0.131	3.4	1.40	2.50
894KM7503VC	750	0.6	0.160	3.0	1.20	2.10
894KM1004VC	1000	0.4	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 85°C
- **Incremental Current** is the approximate value that will cause a percentage drop in inductance as indicated in the table
- **Weight Max:**
050KMVC Series: 6.2 grams
121KMVC Series: 12 grams
059KMVC Series: 28 grams
894KMVC Series: 58 grams
- **Marking:** GOWANDA; Part Number
GOWANDA
050KM1002VC
- Excellent Electromagnetic Shielding
- When ordering, specify **termination:**
050KM1002VCCLF
- **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

KMVC KMVCLF*

Vertical Mount Potted Toroidal Inductor

PART NUMBER	DIMENSIONS				
	L DIM NOM	W DIM NOM	H DIM MAX	T DIM NOM	E DIM NOM
050KM1002VC	0.750 (19.05)	0.400 (10.16)	0.775 (19.69)	0.250 (6.35)	0.036 (0.91)
050KM2502VC	0.750 (19.05)	0.400 (10.16)	0.775 (19.69)	0.250 (6.35)	0.032 (0.81)
050KM5002VC	0.750 (19.05)	0.400 (10.16)	0.775 (19.69)	0.250 (6.35)	0.028 (0.71)
050KM7502VC	0.750 (19.05)	0.400 (10.16)	0.775 (19.69)	0.250 (6.35)	0.025 (0.64)
050KM1003VC	0.750 (19.05)	0.400 (10.16)	0.775 (19.69)	0.250 (6.35)	0.025 (0.64)
050KM1503VC	0.750 (19.05)	0.400 (10.16)	0.775 (19.69)	0.250 (6.35)	0.020 (0.51)
050KM2003VC	0.750 (19.05)	0.400 (10.16)	0.775 (19.69)	0.250 (6.35)	0.018 (0.46)
050KM2503VC	0.750 (19.05)	0.400 (10.16)	0.775 (19.69)	0.250 (6.35)	0.018 (0.46)
050KM3303VC	0.750 (19.05)	0.400 (10.16)	0.775 (19.69)	0.250 (6.35)	0.018 (0.46)
121KM1002VC	0.800 (20.32)	0.500 (12.70)	0.950 (24.13)	0.350 (8.89)	0.040 (1.02)
121KM2502VC	0.800 (20.32)	0.500 (12.70)	0.950 (24.13)	0.350 (8.89)	0.040 (1.02)
121KM5002VC	0.800 (20.32)	0.500 (12.70)	0.950 (24.13)	0.350 (8.89)	0.036 (0.91)
121KM7502VC	0.800 (20.32)	0.500 (12.70)	0.950 (24.13)	0.350 (8.89)	0.032 (0.81)
121KM1003VC	0.800 (20.32)	0.500 (12.70)	0.975 (24.77)	0.350 (8.89)	0.028 (0.71)
121KM1503VC	0.800 (20.32)	0.500 (12.70)	0.975 (24.77)	0.350 (8.89)	0.025 (0.64)
121KM2503VC	0.800 (20.32)	0.500 (12.70)	0.975 (24.77)	0.350 (8.89)	0.023 (0.58)
059KM1002VC	1.210 (30.73)	0.685 (17.40)	1.175 (29.85)	0.400 (10.16)	0.051 (1.30)
059KM2502VC	1.210 (30.73)	0.685 (17.40)	1.175 (29.85)	0.400 (10.16)	0.051 (1.30)
059KM5002VC	1.210 (30.73)	0.685 (17.40)	1.175 (29.85)	0.400 (10.16)	0.045 (1.14)
059KM7502VC	1.210 (30.73)	0.685 (17.40)	1.175 (29.85)	0.400 (10.16)	0.040 (1.02)
059KM1003VC	1.210 (30.73)	0.685 (17.40)	1.175 (29.85)	0.400 (10.16)	0.036 (0.91)
059KM1503VC	1.210 (30.73)	0.685 (17.40)	1.175 (29.85)	0.400 (10.16)	0.036 (0.91)
059KM2503VC	1.210 (30.73)	0.685 (17.40)	1.250 (31.75)	0.400 (10.16)	0.032 (0.81)
059KM5003VC	1.210 (30.73)	0.685 (17.40)	1.250 (31.75)	0.400 (10.16)	0.028 (0.71)
059KM7503VC	1.210 (30.73)	0.685 (17.40)	1.250 (31.75)	0.400 (10.16)	0.025 (0.64)
894KM2502VC	1.450 (36.83)	0.825 (20.96)	1.400 (35.56)	0.600 (15.24)	0.051 (1.30)
894KM5002VC	1.450 (36.83)	0.825 (20.96)	1.400 (35.56)	0.600 (15.24)	0.051 (1.30)
894KM7502VC	1.450 (36.83)	0.825 (20.96)	1.400 (35.56)	0.600 (15.24)	0.051 (1.30)
894KM1003VC	1.450 (36.83)	0.825 (20.96)	1.400 (35.56)	0.600 (15.24)	0.051 (1.30)
894KM1503VC	1.450 (36.83)	0.825 (20.96)	1.400 (35.56)	0.600 (15.24)	0.045 (1.14)
894KM2503VC	1.450 (36.83)	0.825 (20.96)	1.400 (35.56)	0.600 (15.24)	0.040 (1.02)
894KM5003VC	1.450 (36.83)	0.825 (20.96)	1.475 (37.47)	0.600 (15.24)	0.032 (0.81)
894KM7503VC	1.450 (36.83)	0.825 (20.96)	1.475 (37.47)	0.600 (15.24)	0.032 (0.81)
894KM1004VC	1.450 (36.83)	0.825 (20.96)	1.475 (37.47)	0.600 (15.24)	0.028 (0.71)