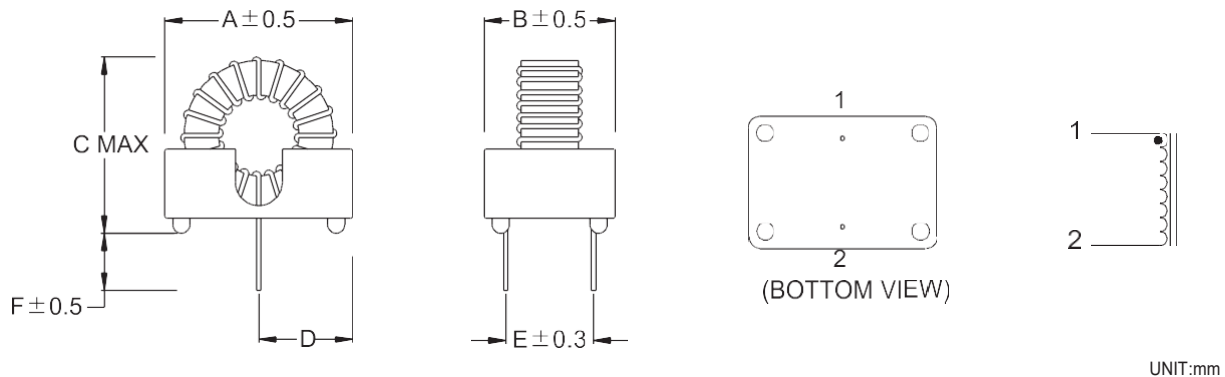


MGT-51000_{SERIES}

Inductors



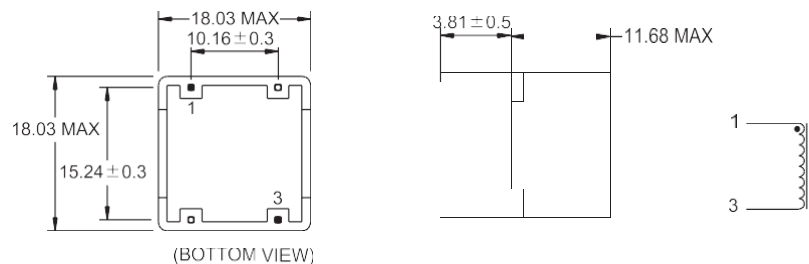
Mechanical Dimensions:



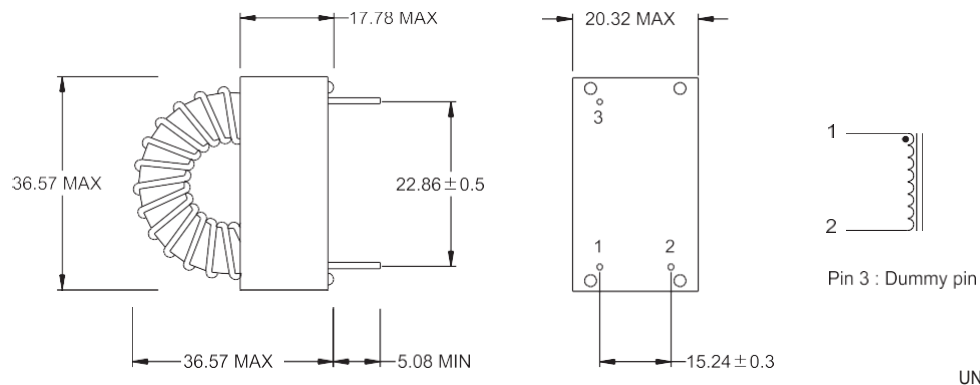
Mounting package

Package Style	A	B	C	D	E	F
T - KM50	16.51	11.43	17.78	8.26	7.62	3.3
T - KM68	21.08	11.43	24.13	10.54	7.62	3.3
T - KM80	24.64	15.30	27.94	12.07	11.44	3.3
T - KM106	33.02	17.78	35.56	15.88	12.70	3.3

Low Profile



High profile



UNIT:mm



MGT-51000 SERIES

Inductors



- Base material meets flammability requirements of UL 94V-0.



Electrical Specifications at 25 °C

Part Number	Reference Operating Values			Design Control Values			
	Inductance Typical (μ H)	IDC (Amps)	ETop (V- β)	Inductance No DC (μ H 20%)	DCR 20°C (Ω Max.)	Package Style	Lead Dia. (mm)
MGT - 51001	47	3.0	90	38	0.05	T-KM50	0.635
MGT - 51002	150	2.0	90	130	0.10	T-KM80	0.635
MGT - 51003	220	1.4	90	230	0.38	Low profile	0.63SQ
MGT - 51004	220	1.4	90	176	0.14	T-KM68	0.50
MGT - 51005	330	0.9	90	302	0.74	Low profile	0.63SQ
MGT - 51006	330	0.9	90	267	0.18	T-KM68	0.50
MGT - 51007	470	0.64	90	426	0.16	T-KM80	0.635
MGT - 51008	680	0.85	90	657	1.25	Low profile	0.63SQ
MGT - 51009	150	3.0	200	136	0.10	T-KM80	0.635
MGT - 51010	220	3.0	200	167	0.07	T-KM106	0.80
MGT - 51011	330	3.0	200	292	0.15	T-KM106	0.635
MGT - 51012	470	2.0	200	369	0.17	T-KM106	0.635
MGT - 51013	680	1.3	200	562	0.20	T-KM106	0.635
MGT - 51014	1000	0.95	200	762	0.24	T-KM106	0.635
MGT - 51015	1500	0.62	200	1150	1.00	High profile	0.80
MGT - 51016	2200	0.42	200	1730	1.80	High profile	0.80
MGT - 51017	8	3.0	90	55	0.02	T-KM80	1.00
MGT - 51018	100	3.0	90	91	0.04	T-KM80	0.80

INDUCTANCE TEST AT 20KHz, 10mV.

