

I.FEATURES:

- Low EMI/RFI toroid topology
- High saturation current up to 10A
- High efficiency powdered iron core
- Wide operating temperature range -40°C to 105°C
- Vertical and horizontal orientations optimize EMI/RFI
- Compatible with low cost through-hole assembly

II.APPLICATIONS

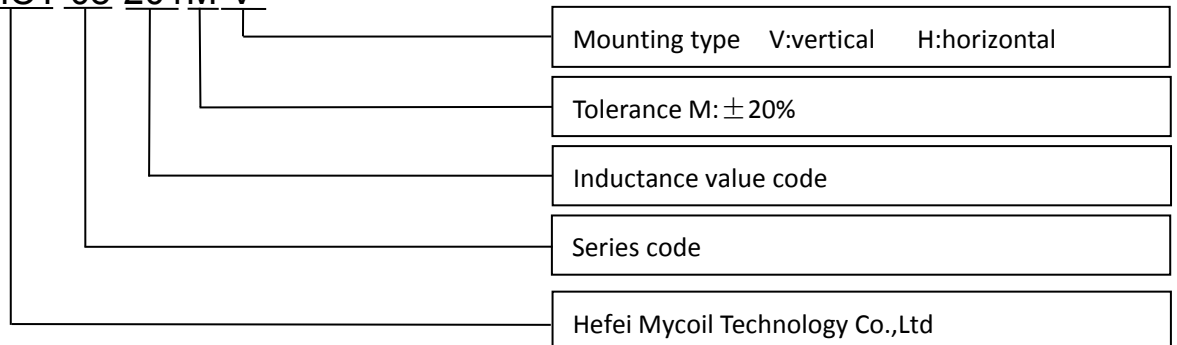
- High power switch-mode power supplies
- High power LED ballasts
- Power line filters
- High power audio filters
- Solar inverters
- White goods
- Motor drivers

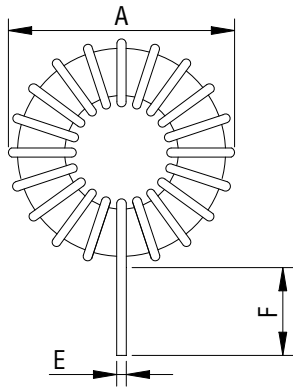
III.STANDARD SPECIFICATIONS

MCT PN	L (uH)	Tolerance	DCR (Ω) max	IDC(A)	DIMENSION:E
MCT-01-200M	20	±20%	0.021	3.0	0.70
MCT-01-300M	30	±20%	0.035	2.0	0.60
MCT-01-600M	60	±20%	0.038	3.0	0.70
MCT-01-680M	68	±20%	0.101	1.0	0.45
MCT-01-101M	100	±20%	0.081	2.0	0.60
MCT-01-221M	220	±20%	0.190	1.0	0.45
MCT-02-220M	22	±20%	0.014	5.0	0.95
MCT-02-290M	29	±20%	0.020	4.0	0.85
MCT-02-350M	35	±20%	0.026	3.0	0.80
MCT-02-580M	58	±20%	0.061	2.0	0.60
MCT-02-900M	90	±20%	0.044	3.0	0.80
MCT-02-111M	110	±20%	0.069	2.0	0.65
MCT-02-131M	130	±20%	0.146	1.0	0.45
MCT-02-471M	470	±20%	0.286	1.0	0.45
MCT-03-250M	25	±20%	0.016	5.0	1.00
MCT-03-320M	32	±20%	0.021	4.0	0.90
MCT-03-430M	43	±20%	0.030	3.0	0.80
MCT-03-650M	65	±20%	0.055	2.0	0.65
MCT-03-111M	110	±20%	0.042	4.0	0.85
MCT-03-131M	130	±20%	0.055	3.0	0.80
MCT-03-151M	150	±20%	0.159	1.0	0.45
MCT-03-231M	230	±20%	0.108	2.0	0.65
MCT-04-500M	50	±20%	0.022	5.0	1.00
MCT-04-600M	60	±20%	0.030	4.0	0.90
MCT-04-750M	75	±20%	0.039	3.0	0.80
MCT-04-820M	82	±20%	0.042	3.0	0.80
MCT-04-101M	100	±20%	0.033	5.0	1.00
MCT-04-151M	150	±20%	0.042	5.0	1.00
MCT-04-221M	220	±20%	0.059	4.0	0.90
MCT-04-271M	270	±20%	0.081	3.0	0.80
MCT-04-321M	320	±20%	0.131	2.0	0.65
MCT-04-431M	430	±20%	0.150	2.0	0.64
MCT-04-961M	960	±20%	0.438	1.0	0.50

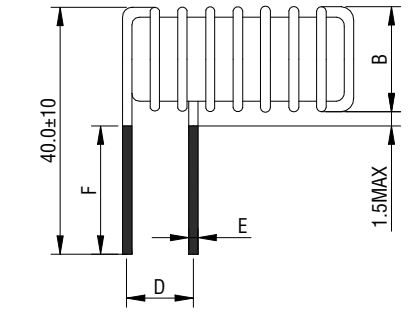
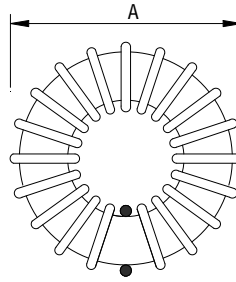
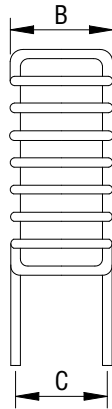
III.STANDARD SPECIFICATIONS

MCT PN	L (uH)	Tolerance	DCR (Ω) max	IDC(A)	DIMENSION:E
MCT-05-900M	90	±20%	0.034	5.0	1.00
MCT-05-900M	140	±20%	0.064	3.0	0.80
MCT-05-900M	200	±20%	0.114	2.0	0.65
MCT-05-900M	320	±20%	0.068	5.0	1.00
MCT-05-900M	450	±20%	0.174	2.0	0.65
MCT-05-900M	470	±20%	0.354	1.0	0.45
MCT-05-900M	1800	±20%	0.680	1.0	0.45
MCT-06-820M	82	±20%	0.033	5.0	1.00
MCT-06-101M	100	±20%	0.042	4.0	1.01
MCT-06-131M	130	±20%	0.061	3.0	0.85
MCT-06-221M	220	±20%	0.121	2.0	0.70
MCT-06-301M	300	±20%	0.064	5.0	1.00
MCT-06-391M	390	±20%	0.088	4.0	0.90
MCT-06-471M	470	±20%	0.342	1.0	0.50
MCT-06-501M	500	±20%	0.124	3.0	0.80
MCT-06-781M	780	±20%	0.225	2.0	0.70
MCT-06-132M	1300	±20%	0.585	1.0	0.50
MCT-07-300M	30	±20%	0.009	10.0	1.60
MCT-07-350M	35	±20%	0.010	10.0	1.60
MCT-07-560M	56	±20%	0.020	7.0	1.30
MCT-07-680M	68	±20%	0.021	7.0	1.30
MCT-07-820M	82	±20%	0.023	7.0	1.30
MCT-07-101M	100	±20%	0.036	5.0	1.00
MCT-07-151M	150	±20%	0.053	4.0	1.00
MCT-07-201M	200	±20%	0.078	3.0	0.85
MCT-07-301M	300	±20%	0.142	2.0	0.70
MCT-07-851M	850	±20%	0.211	2.0	0.70
MCT-08-750M	75	±20%	0.014	10.0	1.60
MCT-08-131M	130	±20%	0.031	7.0	1.30
MCT-08-201M	200	±20%	0.056	5.0	1.00
MCT-08-251M	250	±20%	0.027	10.0	1.60
MCT-08-471M	470	±20%	0.064	7.0	1.30
MCT-08-681M	680	±20%	0.105	5.0	1.00

IV.PART IDENTIFICATION AND ORDERING INFORMATION
MCT-08-201M-V


V.MECHANICAL DIMENSIONS (ALL DIMENSIONS ARE IN mm)


Vertical



Horizontal

Series	A	B	C	D	F
1	18.0	11.5	11.0	17.5	15.0
2	22.0	12.5	12.0	21.5	15.0
3	24.0	11.5	10.5	23.0	15.0
4	27.0	13.5	12.5	26.0	15.0
5	30.0	17.0	16.	29.0	15.0
6	32.0	16.0	15.0	30.0	15.0
7	36.0	19.5	18.0	34.5	15.0
8	42.5	21.5	20.0	41.0	15.0