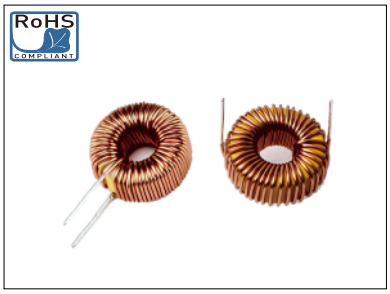
High Current Toroid Inductors - MTC Series

Meisongbei



Features

- DC/DC converter, EMI filter applications
- Low radiation
- Low core loss
- High current capacity
- Horizontal or vertical mount
- Low cost
- Operating temperature -55 to +105 °C
- Current to cause 30°C temperature rise.

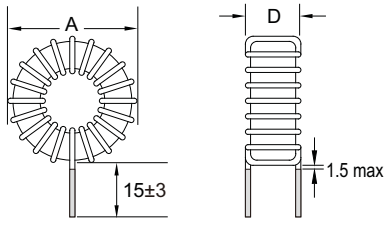
Product Identification:

MTC 5026 V - 101 L

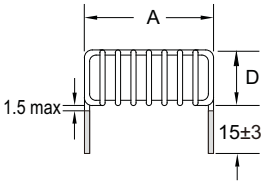
(1) (2) (3) (4) (5)

1. Type: Meisongbei Toroidal Coil
2. Core style: OD=0.5"(12.7mm). "26" is material.
3. Shape: "V. H. F. U" shape
4. Inductance: Example: 101 for 100uH
5. Inductance tolerance: K: ±10%; L: ±15%; M: ±20%

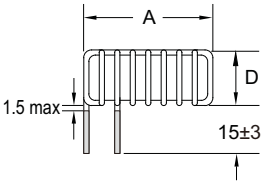
Dimensions & Configurations (Unit:mm)



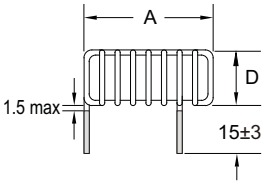
V Shape



H Shape



F Shape



U Shape

Electrical Characteristics For MTC Series

Part Number	L [uH] ±15%	Idc [A]	DCR [Ω] (Max.)	Dim. A (mm)	Dim. D (mm)	Part Number	L [uH] ±15%	Idc [A]	DCR [Ω] (Max.)	Dim. A (mm)	Dim. D (mm)
MTC2026 -9R0L	9	0.3	0.011	8.0	4.5	MTC4426 -430L	43	1.0	0.074	14.5	7.0
MTC2026 -150L	15	0.5	0.070	7.5	4.5	MTC4426 -680L	68	2.0	0.056	15.5	9.0
MTC2026 -200L	20	0.2	0.198	7.5	4.0	MTC4426 -111L	110	0.5	0.250	14.0	6.5
MTC2026 -270L	27	0.3	0.031	8.0	4.5	MTC4426 -141L	140	1.0	0.140	15.0	7.5
MTC3026 -100L	10	2.0	0.017	12.0	7.0	MTC4426 -361L	360	0.5	0.460	14.5	7.5
MTC3026 -120L	12	1.0	0.040	10.5	6.0	MTC5026 -200L	20	3	0.021	17.5	9.0
MTC3026 -320L	32	1.0	0.065	12.0	7.0	MTC5026 -300L	30	2	0.035	17.0	8.5
MTC3026 -370L	37	0.5	0.134	10.0	5.5	MTC5026 -600L	60	3	0.038	18.0	10.0
MTC3026 -141L	140	0.5	0.265	10.0	6.0	MTC5026 -680L	68	1	0.101	16.0	7.5
MTC3726 -8R2L	8.2	2.0	0.017	14.5	7.0	MTC5026 -101L	100	2	0.081	17.0	9.5
MTC3726 -220L	22	2.0	0.030	14.5	7.5	MTC5026 -221L	220	1	0.190	16.5	8.0
MTC3726 -240L	24	1.0	0.055	13.5	6.0	MTC6026 -220L	22	5	0.014	21.5	11.5
MTC3726 -560L	56	0.5	0.181	12.5	5.5	MTC6026 -290L	29	4	0.020	21.0	11.0
MTC3726 -680L	68	1.0	0.095	13.5	6.5	MTC6026 -350L	35	3	0.026	20.5	10.5
MTC3726 -241L	240	0.5	0.360	13.0	6.5	MTC6026 -580L	58	2	0.061	20.0	10.0
MTC4426 -150L	15	2.0	0.023	15.5	7.5	MTC6026 -900L	90	3	0.044	20.5	12.5

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Part Number	L [uH] ±15%	Idc [A]	DCR [Ω] (Max.)	Dim. A (mm)	Dim. D (mm)	Part Number	L [uH] ±15%	Idc [A]	DCR [Ω] (Max.)	Dim. A (mm)	Dim. D (mm)
MTC6026 -111L	110	2	0.069	19.5	10.0	MTC9426 -820L	82	5	0.033	31.0	15.5
MTC6026 -131L	130	1	0.146	19.0	9.0	MTC9426 -101L	100	4	0.042	29.5	13.5
MTC6026 -471L	470	1	0.286	21.0	11.0	MTC9426 -131L	130	3	0.061	29.0	13.0
MTC6826 -250L	25	5	0.016	24.0	10.5	MTC9426 -221L	220	2	0.121	28.5	12.0
MTC6826 -430L	43	3	0.030	23.0	9.5	MTC9426 -301L	300	5	0.064	30.0	15.5
MTC6826 -650L	65	2	0.055	22.0	9.0	MTC9426 -391L	390	4	0.088	29.5	15.0
MTC6826 -111L	110	4	0.042	23.5	11.0	MTC9426 -471L	470	1	0.342	27.5	11.5
MTC6826 -131L	130	3	0.055	23.0	10.5	MTC9426 -501L	500	3	0.124	31.0	14.5
MTC6826 -151L	150	1	0.159	21.5	7.5	MTC9426 -781L	780	2	0.220	30.0	13.5
MTC6826 -231L	230	2	0.108	22.5	9.5	MTC9426 -132L	1300	1	0.585	28.5	12.5
MTC8026 -600L	60	4	0.030	25.0	11.0	MTC10626 -300L	30	10	0.009	36.0	19.5
MTC8026 -820L	82	3	0.042	24.0	10.5	MTC10626 -350L	35	10	0.010	36.0	19.5
MTC8026 -101L	100	5	0.033	25.0	11.5	MTC10626 -560L	56	7	0.020	34.0	18.0
MTC8026 -151L	150	5	0.042	25.0	13.0	MTC10626 -680L	68	7	0.021	34.0	18.0
MTC8026 -221L	220	4	0.059	26.0	13.0	MTC10626 -820L	82	7	0.023	34.0	18.0
MTC8026 -271L	270	3	0.081	27.0	11.5	MTC10626 -101L	100	5	0.036	33.5	17.0
MTC8026 -321L	320	2	0.131	27.0	11.0	MTC10626 -151L	150	4	0.053	32.5	16.5
MTC8026 -431L	430	2	0.150	26.0	11.0	MTC10626 -201L	200	3	0.078	34.0	15.0
MTC8026 -961L	960	1	0.438	26.0	11.0	MTC10626 -301L	300	2	0.150	34.0	15.0
MTC9026 -900L	90	5	0.034	28.0	14.5	MTC10626 -851L	850	2	0.300	35.0	16.5
MTC9026 -141L	140	3	0.082	29.0	13.0	MTC13026 -750L	75	10	0.014	42.0	19.5
MTC9026 -201L	200	2	0.114	28.5	13.0	MTC13026 -131L	130	7	0.031	41.9	18.0
MTC9026 -321L	320	5	0.068	29.0	16.0	MTC13026 -201L	200	5	0.055	39.0	17.0
MTC9026 -451L	450	2	0.174	29.0	14.0	MTC13026 -251L	250	10	0.027	42.5	21.5
MTC9026 -471L	470	1	0.354	26.5	13.0	MTC13026 -471L	470	7	0.064	40.5	19.5
MTC9026 -182L	1800	1	0.680	27.5	14.0	MTC13026 -681L	680	5	0.105	39.0	18.5