

VERTICAL/HORIZONTAL TOROIDAL COILS

YCAIMT-01 SERIES

FEATURES:

- High saturation material
- Wide inductance range
- High current capability
- Long term stability
- High reliability
- Low DC resistance

COMMON APPLICATIONS:

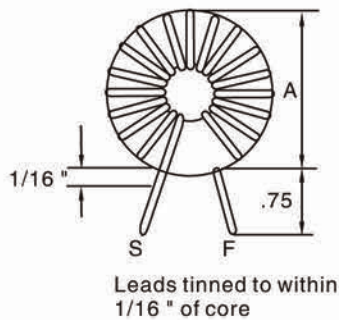
- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- SCR and Triac Controls
- Speaker Crossover Networks
- EMI/RFI suppression
- Filters

OPTIONS:

- Packaging :Bulk is standard
- Tolerance:20% is standard, tighter tolerances available
- Mounting:(V)ertical is standard, (H)orizontal available
- Inductance :Optional request available

PHYSICAL CHARACTERISTICS

- Testing: (Equivalent acceptable)
Inductance:Measured at 1kHz 0.1V HP4284A
RDC:QuadTech 1880 Milliohmmeter
 - IDC Max:Losers inductance by 10%
 - Temperature range: -55°C to +125°C
-55°C to +85°C at full rated current
 - Mounting:Add(V),(H) as Suffix to Part Number
- Note:All specifications subject to change without notice.



ELECTRICAL CHARACTERISTICS

Part Number	L μ H	IDC Max A	RDC Ω Max	Din E
YC AIMT-01-50M	5.0	.50	.007	7.5 × 4.5
YC AIMT-01-80M	8.0	2.0	.017	14.5 × 7.0
YCAIMT-01-100M	10.0	2.0	.13.0	12.0 × 7.0
YCAIMT-01-150M	15.0	2.0	.023	15.5 × 7.5
YCAIMT-01-200M	20.0	3.0	.021	17.5 × 9.0
YCAIMT-01-240M	24.0	1.0	.055	13.5 × 6.0
YCAIMT-01-250M	25.0	5.0	.016	24.0 × 10.5
YCAIMT-01-290M	29.0	4.0	.020	21.0 × 11.0
YC AIMT-01-300M-2(A)	30.0	2.0	.035	17.0 × 8.5
YCAIMT-01-300M-10(A)	30.0	10.0	.009	36.0 × 19.5
YC AIMT-01-350M-3(A)	35.0	3.0	.026	20.5 × 10.5
YCAIMT-01-350M-10(A)	35.0	10.0	.010	36.0 × 19.5
YCAIMT-01-430M-1(A)	43.0	1.0	.074	14.5 × 7.0
YCAIMT-01-430M-3(A)	43.0	3.0	.030	23.0 × 9.5
YCAIMT-01-500M	50.0	5.0	.022	26.5 × 12.5
YCAIMT-01-600M	60.0	3.0	.038	18.0 × 10.0
YCAIMT-01-680M-1(A)	68.0	1.0	.095	13.5 × 6.5
YCAIMT-01-680M-7(A)	68.0	7.0	.021	34.0 × 18.0
YCAIMT-01-750M-3(A)	75.0	3.0	.039	25.5 × 11.0
YCAIMT-01-750M-10(A)	75.0	10.0	.014	42.0 × 19.5
YCAIMT-01-820M-3(A)	82.0	3.0	.042	24.5 × 10.5
YCAIMT-01-820M-5(A)	82.0	5.0	.033	31.5 × 15.5
YCAIMT-01-820M-7(A)	82.0	7.0	.023	34.5 × 18.0
YCAIMT-01-900M-3(A)	90.0	3.0	.044	20.5 × 12.5
YCAIMT-01-900M-5(A)	90.0	5.0	.034	29.5 × 15.5
YCAIMT-01-101M-2.5(A)	100.0	2.0	.081	17.0 × 9.0
YCAIMT-01-101M-5(A)	100.0	5.0	.033	26.5 × 12.5
YCAIMT-01-101M-5(A)	100.0	5.0	.036	33.5 × 17.0
YCAIMT-01-111M-2(A)	110.0	2.0	.069	19.5 × 10.0
YCAIMT-01-111M-2(A)	110.0	2.0	.074	25.0 × 10.0
YCAIMT-01-111M-4(A)	110.0	4.0	.042	23.5 × 11.0
YCAIMT-01-131M-1(A)	130.0	1.0	.146	19.0 × 9.0
YCAIMT-01-131M-3(A)	130.0	3.0	.055	23.0 × 10.5
YCAIMT-01-131M-3(A)	130.0	3.0	.061	29.0 × 13.0
YCAIMT-01-131M-7(A)	130.0	7.0	.031	41.0 × 18.0
YCAIMT-01-141M-1(A)	140.0	1.0	.140	15.0 × 7.5
YCAIMT-01-141M-3(A)	140.0	3.0	.064	28.0 × 14.5
YCAIMT-01-151M-1(A)	150.0	1.0	.159	21.5 × 7.5
YCAIMT-01-151M-4(A)	150.0	4.0	.053	32.5 × 16.5
YCAIMT-01-151M-5(A)	150.0	5.0	.042	27.0 × 13.5
YCAIMT-01-201M-2(A)	200.0	2.0	.114	28.0 × 14.0
YCAIMT-01-201M-3(A)	200.0	3.0	.078	31.0 × 16.0
YCAIMT-01-201M-5(A)	200.0	5.0	.056	39.0 × 17.0
YCAIMT-01-221M-1(A)	220.0	1.0	.190	16.5 × 8.0
YCAIMT-01-221M-4(A)	220.0	4.0	.059	26.5 × 13.0
YCAIMT-01-251M	250.0	10.0	.027	42.5 × 21.5
YCAIMT-01-271M	270.0	3.0	.081	26.0 × 12.0
YCAIMT-01-301M	300.0	3.0	.142	31.5 × 15.5
YCAIMT-01-301M	300.0	2.0	.064	30.0 × 15.5
YCAIMT-01-391M	390.0	5.0	.088	29.5 × 15.0
YCAIMT-01-451M	450.0	4.0	.174	28.0 × 14.0
YCAIMT-01-501M	500.0	2.0	.124	29.0 × 14.0
YCAIMT-01-681M	680.0	3.0	.105	39.0 × 18.5
YCAIMT-01-781M	780.0	5.0	.225	28.5 × 13.5
YCAIMT-01-851M	850.0	2.0	.211	32.5 × 16.5
YCAIMT-01-961M	960.0	2.0	.438	25.0 × 11.0