



VERTICAL/HORIZONTAL TOROIDAL COILS

AIMT-01 SERIES

FEATURES:

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

OPTIONS:

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

COMMON APPLICATIONS:

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

ELECTRICAL CHARACTERISTICS:

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

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Testing: (Equivalent acceptable)
Inductance: Measured at 1kHz 0.1V HP4284A
RDC: QuadTech 1880 Milliohm meter
- 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.

