

VERTICAL/HORIZONTAL TOROIDAL COILS

AIMT-01

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-01-5.0-.50(V)	5.0	.50	.007	7.5 x 4.5	AIMT-01-110-2.0(V)	110.0	2.0	.069	19.5 x 10.0
AIMT-01-8.2-2.0(V)	8.2	2.0	.017	14.5 x 7.0	AIMT-01-110-2.0(V)	110.0	2.0	.074	25.0 x 10.0
AIMT-01-10.0-2.0(V)	10.0	2.0	.013	12.0 x 7.0	AIMT-01-110-4.0(V)	110.0	4.0	.042	23.5 x 11.0
AIMT-01-15.0-2.0(V)	15.0	2.0	.023	15.5 x 7.5	AIMT-01-130-1.0(V)	130.0	1.0	.146	19.0 x 9.0
AIMT-01-20.0-3.0(V)	20.0	3.0	.021	17.5 x 9.0	AIMT-01-130-3.0(V)	130.0	3.0	.055	23.0 x 10.5
AIMT-01-24.0-1.0(V)	24.0	1.0	.055	13.5 x 6.0	AIMT-01-130-3.0(V)	130.0	3.0	.061	29.0 x 13.0
AIMT-01-25.0-5.0(V)	25.0	5.0	.016	24.0 x 10.5	AIMT-01-130-7.0(V)	130.0	7.0	.031	41.0 x 18.0
AIMT-01-29.0-4.0(V)	29.0	4.0	.020	21.0 x 11.0	AIMT-01-140-1.0(V)	140.0	1.0	.140	15.0 x 7.5
AIMT-01-30.0-2.0(V)	30.0	2.0	.035	17.0 x 8.5	AIMT-01-140-3.0(V)	140.0	3.0	.064	28.0 x 14.5
AIMT-01-30.0-10.0(V)	30.0	10.0	.009	36.0 x 19.5	AIMT-01-150-1.0(V)	150.0	1.0	.159	21.5 x 7.5
AIMT-01-35.0-3.0(V)	35.0	3.0	.026	20.5 x 10.5	AIMT-01-150-4.0(V)	150.0	4.0	.053	32.5 x 16.5
AIMT-01-35.0-10.0(V)	35.0	10.0	.010	36.0 x 19.5	AIMT-01-150-5.0(V)	150.0	5.0	.042	27.0 x 13.5
AIMT-01-43.0-1.0(V)	43.0	1.0	.074	14.5 x 7.0	AIMT-01-200-2.0(V)	200.0	2.0	.114	28.0 x 14.0
AIMT-01-43.0-3.0(V)	43.0	3.0	.030	23.0 x 9.5	AIMT-01-200-3.0(V)	200.0	3.0	.078	31.0 x 16.0
AIMT-01-50.0-5.0(V)	50.0	5.0	.022	26.5 x 12.5	AIMT-01-200-5.0(V)	200.0	5.0	.056	39.0 x 17.0
AIMT-01-60.0-3.0(V)	60.0	3.0	.038	18.0 x 10.0	AIMT-01-220-1.0(V)	220.0	1.0	.190	16.5 x 8.0
AIMT-01-68.0-1.0(V)	68.0	1.0	.095	13.5 x 6.5	AIMT-01-220-4.0(V)	220.0	4.0	.059	26.5 x 13.0
AIMT-01-68.0-7.0(V)	68.0	7.0	.021	34.0 x 18.0	AIMT-01-250-10.0(V)	250.0	10.0	.027	42.5 x 21.5
AIMT-01-75.0-3.0(V)	75.0	3.0	.039	25.5 x 11.0	AIMT-01-270-3.0(V)	270.0	3.0	.081	26.0 x 12.0
AIMT-01-75.0-10.0(V)	75.0	10.0	.014	42.0 x 19.5	AIMT-01-300-2.0(V)	300.0	3.0	.142	31.5 x 15.5
AIMT-01-82.0-3.0(V)	82.0	3.0	.042	24.5 x 10.5	AIMT-01-300-5.0(V)	300.0	2.0	.064	30.0 x 15.5
AIMT-01-82.0-5.0(V)	82.0	5.0	.033	31.5 x 15.5	AIMT-01-390-4.0(V)	390.0	5.0	.088	29.5 x 15.0
AIMT-01-82.0-7.0(V)	82.0	7.0	.023	34.5 x 18.0	AIMT-01-450-2.0(V)	450.0	4.0	.174	28.0 x 14.0
AIMT-01-90.0-3.0(V)	90.0	3.0	.044	20.5 x 12.5	AIMT-01-500-3.0(V)	500.0	2.0	.124	29.0 x 14.0
AIMT-01-90.0-5.0(V)	90.0	5.0	.034	29.5 x 15.5	AIMT-01-680-5.0(V)	680.0	3.0	.105	39.0 x 18.5
AIMT-01-100-2.5(V)	100.0	2.0	.081	17.0 x 9.0	AIMT-01-780-2.0(V)	780.0	5.0	.225	28.5 x 13.5
AIMT-01-100-5.0(V)	100.0	5.0	.033	26.5 x 12.5	AIMT-01-850-2.0(V)	850.0	2.0	.211	32.5 x 16.5
AIMT-01-100-5.0(V)	100.0	5.0	.036	33.5 x 17.0	AIMT-01-960-1.0(V)	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

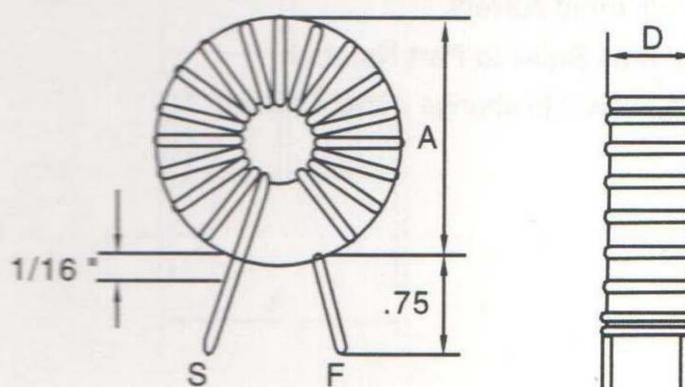
• IDC Max: Losers inductance by 10%

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.



Leads tinned to within 1/16" of core