



# AIMT-01 SERIES

## Vertical Horizontal Toroidal Cores

### 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) vertical is standard, (H) horizontal available
- Inductance: Optional values available

### APPLICATIONS

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

Part Number	L $\mu$ H	IDC max A	RDC ohm max.	Din E
AIMT-01-50M	5	0.5	0.007	7.5 x 4.5
AIMT-01-80M	8	2	0.017	14.5 x 7.0
AIMT-01-100M	10	2	13	12.0 x 7.0
AIMT-01-150M	15	2	0.023	15.5 x 7.5
AIMT-01-200M	20	3	0.021	17.5 x 9.0
AIMT-01-240M	24	1	0.055	13.5 x 6.0
AIMT-01-250M	25	5	0.016	24.0 x 10.5
AIMT-01-290M	29	4	0.02	21.0 x 11.0
AIMT-01-300M-2(A)	30	2	0.035	17.0 x 8.5
AIMT-01-300M-10(A)	30	10	0.009	36.0 x 19.5
AIMT-01-350M-3(A)	35	3	0.026	20.5 x 10.5
AIMT-01-350M-10(A)	35	10	0.01	36.0 x 19.5
AIMT-01-430M-1(A)	43	1	0.074	14.5 x 7.0
AIMT-01-430M-3(A)	43	3	0.03	23.0 x 9.5
AIMT-01-500M	50	5	0.022	26.5 x 12.5
AIMT-01-600M	60	3	0.038	18.0 x 10.0
AIMT-01-680M-1(A)	68	1	0.095	13.5 x 6.5
AIMT-01-680M-7(A)	68	7	0.021	34.0 x 18.0
AIMT-01-750M-3(A)	75	3	0.039	25.5 x 11.0
AIMT-01-750M-10(A)	75	10	0.014	42.0 x 19.5
AIMT-01-820M-3(A)	82	3	0.042	24.5 x 10.5
AIMT-01-820M-5(A)	82	5	0.033	31.5 x 15.5
AIMT-01-820M-7(A)	82	7	0.023	34.5 x 18.0
AIMT-01-900M-3(A)	90	3	0.044	20.5 x 12.5
AIMT-01-900M-5(A)	90	5	0.034	29.5 x 15.5
AIMT-01-101M-2.5(A)	100	2	0.081	17.0 x 9.0
AIMT-01-101M-5(A)	100	5	0.033	26.5 x 12.5
AIMT-01-101M-5(A)	100	5	0.036	33.5 x 17.0

Part Number	L $\mu$ H	IDC max A	RDC ohm max.	Din E
AIMT-01-111M-2(A)	110	2	0.069	19.5 x 10.0
AIMT-01-111M-2(A)	110	2	0.074	25.0 x 10.0
AIMT-01-111M-4(A)	110	4	0.042	23.5 x 11.0
AIMT-01-131M-1(A)	130	1	0.146	19.0 x 9.0
AIMT-01-131M-3(A)	130	3	0.055	23.0 x 10.5
AIMT-01-131M-3(A)	130	3	0.061	29.0 x 13.0
AIMT-01-131M-7(A)	130	7	0.031	41.0 x 18.0
AIMT-01-141M-1(A)	140	1	0.14	15.0 x 7.5
AIMT-01-141M-3(A)	140	3	0.064	28.0 x 14.5
AIMT-01-151M-1(A)	150	1	0.159	21.5 x 7.5
AIMT-01-151M-4(A)	150	4	0.053	32.5 x 16.5
AIMT-01-151M-5(A)	150	5	0.042	27.0 x 13.5
AIMT-01-201M-2(A)	200	2	0.114	28.0 x 14.0
AIMT-01-201M-3(A)	200	3	0.078	31.0 x 16.0
AIMT-01-201M-5(A)	200	5	0.056	39.0 x 17.0
AIMT-01-221M-1(A)	220	1	0.19	16.5 x 8.0
AIMT-01-221M-4(A)	220	4	0.059	26.5 x 13.0
AIMT-01-251M	250	10	0.027	42.5 x 21.5
AIMT-01-271M	270	3	0.081	26.0 x 12.0
AIMT-01-301M	300	3	0.142	31.5 x 15.5
AIMT-01-301M	300	2	0.064	30.0 x 15.5
AIMT-01-391M	390	5	0.088	29.5 x 15.0
AIMT-01-451M	450	4	0.174	28.0 x 14.0
AIMT-01-501M	500	2	0.124	29.0 x 14.0
AIMT-01-681M	680	3	0.105	39.0 x 18.5
AIMT-01-781M	780	5	0.225	28.5 x 13.5
AIMT-01-851M	850	2	0.211	32.5 x 16.5
AIMT-01-961M	960	2	0.438	25.0 x 11.0

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

