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Triad Transformer Catalog

SWITCHMODE/HIGH FREQUENCY - COMMON MODE INDUCTORS

Description:

Highly dependable TRIAD common mode EMI suppression inductors manufactured by Triad Magnetics are used in various types of power supplies to eliminate noise common to all lines. These units also provide effective differential mode filtering. Meeting VDE, IEC, UL, and CSA requirements, they minimize AC line transmitted interference often created by high frequency switching power supplies. Normally placed close to the input power source, these compact inductors are constructed with UL rated 130jC materials.

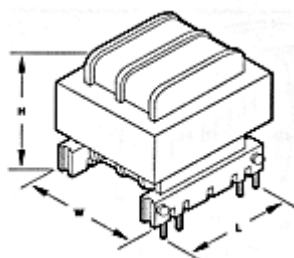


Figure A

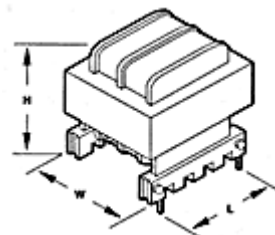


Figure B

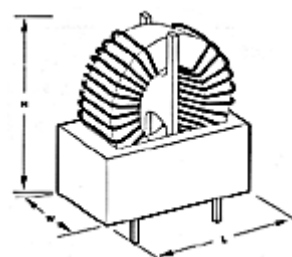


Figure C

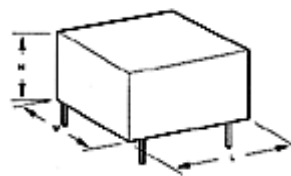


Figure D

E-CORE INDUCTORS

Type No.	Figure	Inductance mH min.	Amps R.M.S.	Max. DC Resistance	Min. Leakage	Dimensions						
						H	W	L	A	B	C	D
CME375-1	A	4.40	5.500	.049 Ohms	45.0 μ H	1.18	1.26	1.50	.150	.600	.200	.036 Sq.
CME375-2	A	6.90	4.400	.077 Ohms	70.0 μ H	1.18	1.26	1.50	.150	.600	.200	.036 Sq.
CME375-3	A	10.9	3.500	.122 Ohms	125.0 μ H	1.18	1.26	1.50	.150	.600	.200	.036 Sq.
CME375-4	A	17.8	2.700	.196 Ohms	180.0 μ H	1.18	1.26	1.50	.150	.600	.200	.036 Sq.
CME375-5	A	28.6	2.200	.316 Ohms	300.0 μ H	1.18	1.26	1.50	.150	.600	.200	.036 Sq.
CME375-6	A	43.6	1.750	.489 Ohms	440.0 μ H	1.18	1.26	1.50	.150	.600	.200	.036 Sq.
CME375-7	A	70.3	1.380	.785 Ohms	720.0 μ H	1.18	1.26	1.50	.150	.600	.200	.036 Sq.
CME375-8	A	111.6	1.100	1.240 Ohms	1.1 mH	1.18	1.26	1.50	.150	.600	.200	.036 Sq.
CME375-9	A	176.1	.087	1.980 Ohms	1.8 mH	1.18	1.26	1.50	.150	.600	.200	.036 Sq.
CME2425-1	B	1.05	2.50	.050 Ohms	9.0 μ H	1.075	1.050	1.050	.125	.800	.610	.029 Sq.
CME2425-2	B	2.37	2.00	.080 Ohms	14.0 μ H	1.075	1.050	1.050	.125	.800	.610	.029 Sq.
CME2425-3	B	3.8	1.60	.127 Ohms	25.0 μ H	1.075	1.050	1.050	.125	.800	.610	.029 Sq.
CME2425-4	B	6.0	1.28	.202 Ohms	36.0 μ H	1.075	1.050	1.050	.125	.800	.610	.029 Sq.
CME2425-5	B	9.8	1.00	.319 Ohms	60.0 μ H	1.075	1.050	1.050	.125	.800	.610	.029 Sq.
CME2425-6	B	16.0	0.80	.500 Ohms	90.0 μ H	1.075	1.050	1.050	.125	.800	.610	.029 Sq.
CME2425-7	B	27.7	0.63	.820 Ohms	144.0 μ H	1.075	1.050	1.050	.125	.800	.610	.029 Sq.
CME2425-8	B	40.5	0.50	1.260 Ohms	240.0 μ H	1.075	1.050	1.050	.125	.800	.610	.029 Sq.
CME2425-9	B	67.5	0.40	2.020 Ohms	360.0 μ H	1.075	1.050	1.050	.125	.800	.610	.029 Sq.

ENCAPSULATED TOROIDAL INDUCTORS

Type No.	Figure	Min. Inductance	Amps R.M.S.	Max. DC Resistance	Min. Leakage	Dimensions					Wt. Lbs.
						H	W	L	A	B	
CMT908-V1	C	2.00 mH	7.50	.020 Ohms	25.0 μ H	1.50	.800	1.45	.9	.6	.08
CMT908-V2	C	4.00 Mh	5.20	.040 Ohms	45.0 μ H	1.50	.800	1.45	.9	.6	.08
CMT908-V3	C	8.00 mH	3.20	.120 Ohms	90.0 μ H	1.50	.800	1.45	.9	.6	.08
CMT908-V4	C	16.00 mH	2.60	.160 Ohms	180.0 μ H	1.50	.800	1.45	.9	.6	.08
CMT908-H1	D	2.00 mH	7.50	.020 Ohms	25.0 μ H	.80	1.5	1.5	1.08	1.28	.120
CMT908-H2	D	4.00 Mh	5.20	.040 Ohms	45.0 μ H	.80	1.5	1.5	1.08	1.28	.120
CMT908-H3	D	8.00 mH	3.20	.120 Ohms	90.0 μ H	.80	1.5	1.5	1.08	1.28	.120
CMT908-H4	D	16.00 mH	2.60	.160 Ohms	180.0 μ H	.80	1.5	1.5	1.08	1.28	.120

Technical Notes:

1. Hi-pot tested at 2,500 VRMS.
2. DC resistance at 20°C +/- 10%.
3. Inductances are minimum measured at 10 Gauss.
4. Current ratings for approximately 40°C temperature rise.

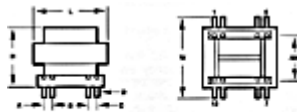


Figure A

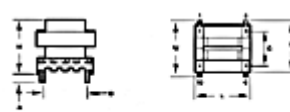


Figure B

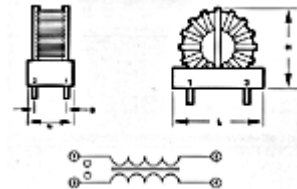


Figure C

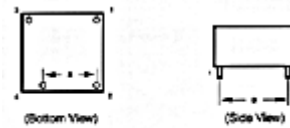


Figure D