

TRIAD

M A G N E T I C S

SWITCHMODE/ HIGH FREQUENCY COMMON MODE INDUCTORS

80052 rev G

DESCRIPTION : Highly dependable TRIAD common mode EMI suppression inductors 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 closed to the input power source, these compact inductors are constructed with UL rated 130 degrees C materials.

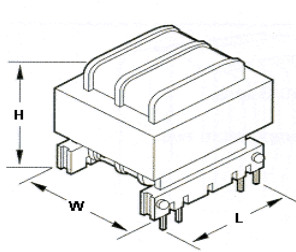


FIGURE A

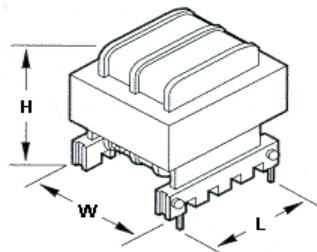


FIGURE B

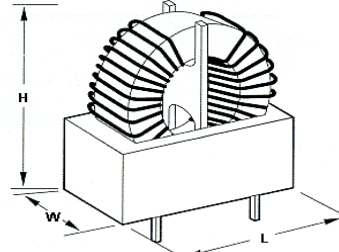


FIGURE C

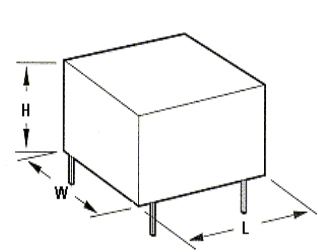


FIGURE D

E-Core Inductors

Type. No.	Figure	Inductance mH min.	Amps R.M.S.	Max DC Resistance	Min. Leakage	DIMENSIONS							Wt. Lbs.
						H max	W max	L	A	B	C	D	
CME375-1	A	4.40	5.500	.049 Ohms	45.0 uH	1.18	1.26	1.50	0.150	0.600	0.200	0.036	0.054
CME375-2		6.90	4.400	.077 Ohms	70.0 uH								
CME375-3		10.9	3.500	.122 Ohms	125.0 uH								
CME375-4		17.8	2.700	.196 Ohms	180.0 uH								
CME375-5		28.6	2.200	.316 Ohms	300.0 uH								
CME375-6		43.6	1.750	.489 Ohms	440.0 uH								
CME375-7		70.3	1.380	.785 Ohms	720.0 uH								
CME375-8		111.6	1.100	1.240 Ohms	1.1 mH								
CME375-9		176.1	0.087	1.980 Ohms	1.8 mH								
CME2425-1	B	1.05	2.50	.050 Ohms	9.0 uH	1.075	1.050	1.050	0.125	0.800	0.61	0.029	0.154
CME2425-2		2.37	2.00	.080 Ohms	14.0 uH								
CME2425-3		3.8	1.60	.127 Ohms	25.0 uH								
CME2425-4		6.0	1.28	.202 Ohms	36.0 uH								
CME2425-5		9.8	1.00	.319 Ohms	60.0 uH								
CME2425-6		16.0	0.80	.500 Ohms	90.0 uH								
CME2425-7		27.7	0.63	.820 Ohms	144.0 uH								
CME2425-8		40.5	0.50	1.260 Ohms	240.0 uH								
CME2425-9		67.5	0.40	2.020 Ohms	360.0 uH								

A CME375-KIT is available which includes each one of the components for figure A.

A CME2425-KIT is available which includes each one of the components for figure B.

Encapsulated Toroidal Inductors

Type. No.	Figure	Inductance mH min.	Amps R.M.S.	Max DC Resistance	Min. Leakage	Nom. 5RF	DIMENSIONS					Wt. Lbs.	
							H Max	W Max	L	A	B		C
CMT908-V1	C	2.00 mH	7.50	.020 Ohms	25.0 uH	301.3	1.50	.800	1.45	0.9	0.6	.043	0.08
CMT908-V2		4.00 mH	5.20	.040 Ohms	45.0 uH	212.0							
CMT908-V3		8.00 mH	3.20	.120 Ohms	90.0 uH	136.1							
CMT908-V4		16.00 mH	2.60	.160 Ohms	180.0 uH	87.4							
CMT908-H1	D	2.00 mH	7.50	.020 Ohms	25.0 uH	357.0	.80	1.5	1.5	1.08	1.28	.043	.120
CMT908-H2		4.00 mH	5.20	.040 Ohms	45.0 uH	218.7							
CMT908-H3		8.00 mH	3.20	.120 Ohms	90.0 uH								
CMT908-H4		16.00 mH	2.60	.160 Ohms	180.0 uH	100.9							

A CME908-KIT is available which includes one of the components for figure C and D

TRIAD

M A G N E T I C S

SWITCHMODE/ HIGH FREQUENCY COMMON MODE INDUCTORS

80052 rev G

TECHNICAL NOTES:

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

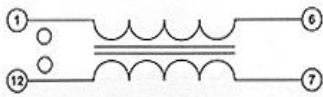
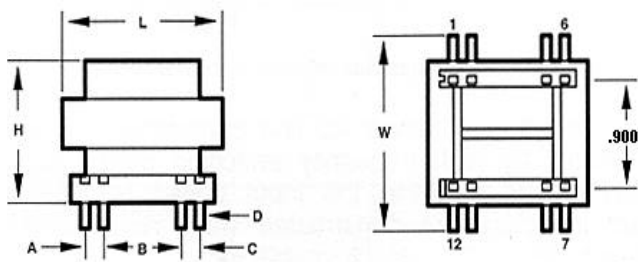


Figure A

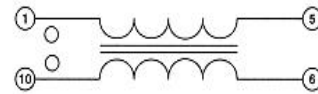
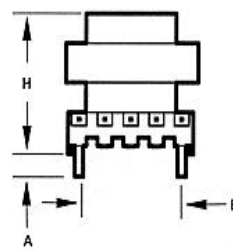


Figure B

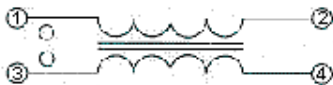
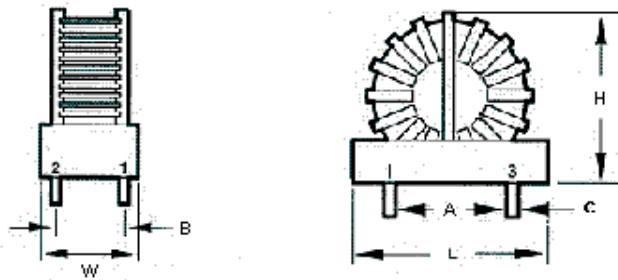
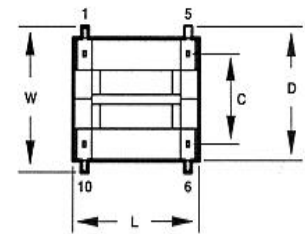


Figure C

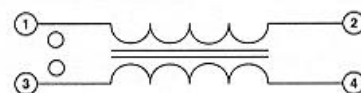
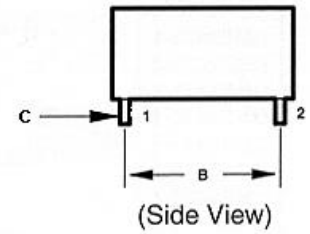
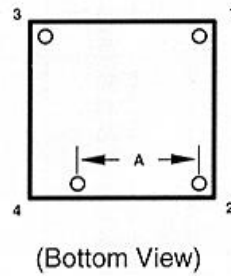


Figure D