

COMMON MODE COILS FOR AC LINE & EMI-RFI FILTERING, 0.1 TO 50 MHZ



Common mode suppression inductors minimize AC line-conducted interference from switching power supplies and regulators. Balun winding to within 1% produces opposing magnetic fluxes in the core to effectively cancel differential-mode noise signals. Substantially reduces component count as well as inductor size, as compared to differential filtering. Constructed with spacing between windings to meet international safety requirements.

FEATURES

- 3750V RMS hi-pot.
- 130°C insulation system
- VDE, IEC, UL, CSA compatible.
- Cost effective design.

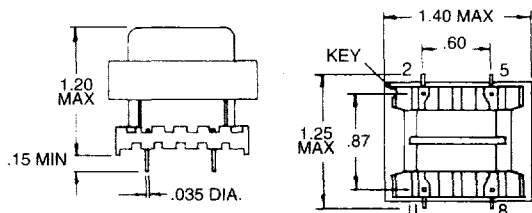


Fig. A
SC1 SERIES
Wt. .42 oz.

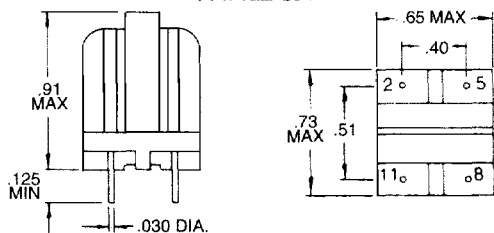
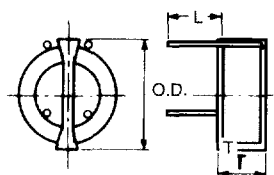


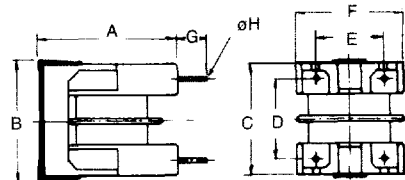
Fig. B
SC2 SERIES
Wt. .30 oz.



CMT SERIES

CMT-01	28	12.5	20
CMT-02	28	14.5	20
CMT-03	32	22.0	20

Dimensions in mm



CMF SERIES

CMF-0	20.5	17.5	18.0	12.5	10.0	16	4
CMF-6	28.0	22.5	18.0	12.5	10.0	18	4
CMF-8	31.0	24.0	22.0	16.0	10.0	20	4
CMF-2	33.5	38.5	37.0	30.0	12.5	21	4

Dimensions in mm

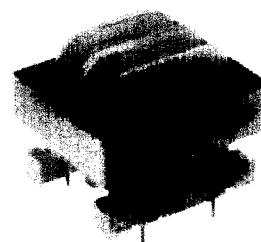
SC SERIES

SC1-16800	12.60	0.50	1.0000	A
SC1-07900	5.93	0.75	0.4300	A
SC1-04900	3.67	1.00	0.2200	A
SC1-08770	2.77	1.25	0.1500	A
SC1-01960	1.47	1.50	0.1100	A
SC1-01280	0.96	2.00	0.0710	A
SC1-00840	0.63	2.50	0.0460	A
SC1-00490	0.37	3.00	0.0270	A
SC1-00290	0.21	4.00	0.0175	A
SC2-14000	14.00	0.25	2.1000	B
SC2-05250	5.25	0.37	0.8300	B
SC2-03250	3.25	0.50	0.5200	B
SC2-01450	1.45	0.75	0.2200	B
SC2-00750	0.75	1.00	0.1200	B
SC2-00330	0.33	1.50	0.0520	B
SC2-00120	0.12	2.00	0.0240	B

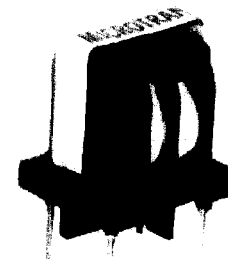
NOTES: Inductance shown is for each winding measured @ 10 kHz, 1V RMS. Inductance with each winding connected series opposing under 100 µH typical @ 10 kHz, 1V RMS. Inter winding capacitance: 5 pF typical @ 10 kHz, 1V RMS.

CM SERIES

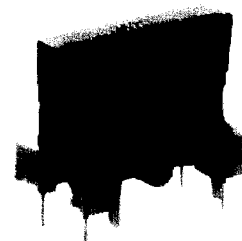
CMT-01102	1.00	2.0	0.25	0.40
CMT-01104	1.00	4.0	0.35	0.40
CMT-01202	2.00	2.0	0.15	0.55
CMT-01301	3.00	1.0	0.10	0.70
CMT-02105	1.00	5.0	0.40	0.40
CMT-02107	1.00	7.0	0.50	0.40
CMT-02203	2.00	3.0	0.20	0.55
CMT-02302	3.00	2.0	0.10	0.70
CMT-03110	1.00	10.0	0.55	0.40
CMT-03305	3.00	5.0	0.15	0.70
CMT-03502	5.00	2.0	0.04	0.95
CMT-03801	8.00	1.0	0.02	1.20
CMF-0470	0.15	47.0	7.00	0.70
CMF-0330	0.20	33.0	6.00	0.70
CMF-0220	0.30	22.0	4.50	0.70
CMF-0100	0.45	10.0	3.00	0.70
CMF-0056	0.55	5.6	1.00	0.70
CMF-0033	0.80	3.3	0.70	0.70
CMF-0470	0.45	47.0	3.00	0.70
CMF-6330	0.50	33.0	2.50	0.70
CMF-6220	0.65	22.0	2.00	0.70
CMF-6100	0.90	10.0	0.60	0.70
CMF-6056	1.00	5.6	0.40	0.70
CMF-6033	2.00	3.3	0.30	0.70
CMF-8470	0.50	47.0	4.00	0.80
CMF-8330	0.65	33.0	3.00	0.80
CMF-8220	0.80	22.0	2.00	0.80
CMF-8100	1.00	10.0	0.70	0.80
CMF-8056	1.50	5.6	0.40	0.80
CMF-8033	2.00	3.3	0.30	0.80
CMF-2470	1.00	47.0	2.00	1.00
CMF-2330	1.20	33.0	0.80	1.00
CMF-2220	1.40	22.0	0.60	1.00
CMF-2100	2.20	10.0	0.30	1.00
CMF-2056	2.70	5.6	0.25	1.00
CMF-2033	4.00	3.3	0.08	1.00



SC1 SERIES



SC2 SERIES



CMF SERIES



CMT SERIES

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