

APPLICATION FEATURES

Space Efficient - The OMSL series utilizes the square RM core design which locates the PC pins within the core notches.

PC Footprint - Both the terminals and the grounding clips fit a standard 0.1 inch grid.

Automation - Pick and place adaptable due to the flat top surface.

Heat Transfer - A Large core area at the base facilitates heat sink applications.

DESIGN FEATURES

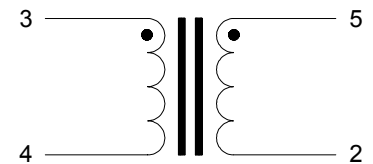
Split Winding - Allows use as a filter choke or common mode choke.

Gapped Core - Inductance is flat with DC and is also temperature stable.

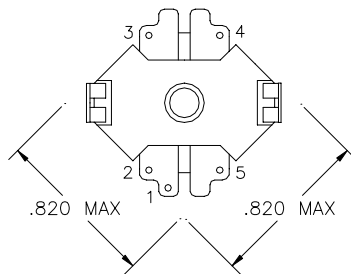
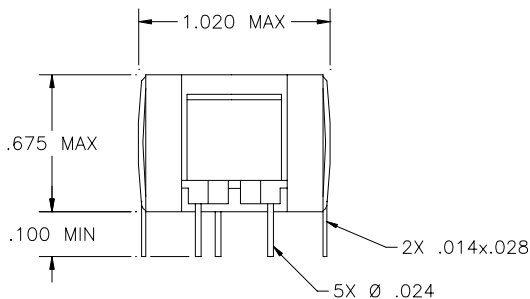
ELECTRICAL SPECIFICATIONS

MCE P/N	L - $\pm 10\%$ μH	IDC - MAX AMPS	R - $\pm 15\%$ OHMS	SELF-RES. TYP - MHz
OM08SL22	330	1.50	0.087	3.10
OM08SL23	530	1.20	0.140	2.50
OM08SL24	840	0.90	0.250	2.00
OM08SL25	1300	0.80	0.320	1.60
OM08SL26	2000	0.63	0.500	1.30
OM08SL27	3250	0.51	0.770	1.00
OM08SL28	5200	0.41	1.200	0.80

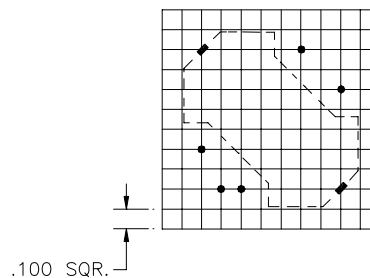
SCHEMATIC



MECHANICAL SPECIFICATIONS




BOTTOM VIEW



PCB FOOTPRINT (TOP VIEW)

NOTES

1. Electrical specifications are for both windings connected in series.
2. Inductance measured at 100 mV, 10 kHz.
3. DC Amps maximum rating is for a 40°C rise.
4. Maximum operating temperature is 130°C.
5. All electrical data at 20°±5°C.

				MAGNETIC CIRCUIT ELEMENTS INC.			
PROD.	INIT. <i>MP</i>	DATE 5-23-07	TOLERANCES DECIMALS (IN.) .XX = ± 0.03 .XXX = ± 0.010 VOLTS = ± 5%	DC FILTER CHOKE - RF - TWO WINDING			
ENG.	INIT. <i>JC</i>	DATE 5-23-07		DESCRIPTION FERRITE RM CORE TYPE		SIZE A	DWG. NO. OMSL
Q.A.	INIT. <i>BT</i>	DATE 5-23-07	CAGE 09349				
REV.	B	5-23-07					