

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

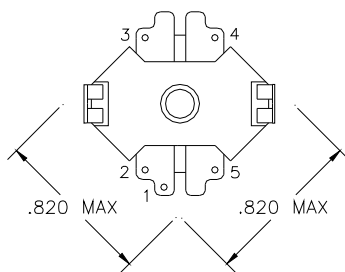
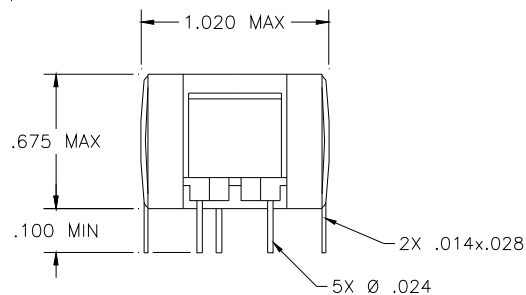
Split Winding - Allows use as a common mode choke or a filter choke.

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

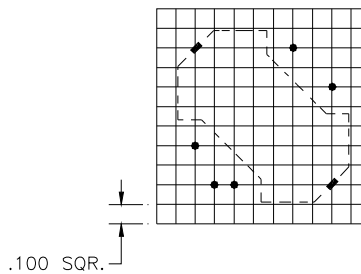
ELECTRICAL SPECIFICATIONS

MCE P/N	COMMON MODE CHOKE (each winding)			DC FILTER CHOKE (windings connected in series)			
	L - $\pm 10\%$ μH	RMS - MAX AMPS	R - $\pm 15\%$ OHMS	L - $\pm 10\%$ μH	DC - MAX AMPS	R - $\pm 15\%$ OHMS	SELF RES. TYP - MHz
OM08SL22	83	1.5	.044	330	1.5	.087	3.1
OM08SL23	130	1.2	.070	530	1.2	.14	2.5
OM08SL24	210	.90	.13	840	.90	.25	2.0
OM08SL25	325	.80	.16	1300	.80	.32	1.6
OM08SL26	500	.63	.25	2000	.63	.50	1.3
OM08SL27	810	.51	.39	3250	.51	.77	1.0
OM08SL28	1300	.41	.60	5200	.41	1.2	.80

MECHANICAL SPECIFICATIONS



BOTTOM VIEW

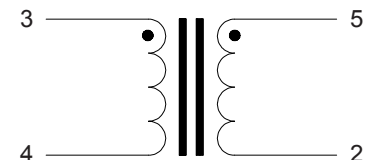


PCB FOOTPRINT
(TOP VIEW)

NOTES

1. Inductance measured at 100 mV, 10 kHz.
2. MAX Amps rating (AC or DC) is for a 40°C rise.
3. Maximum operating temperature is 130°C.
4. All electrical data at 20°±5°C.

SCHEMATIC



	INIT.	DATE	CAGE 09349	MAGNETIC CIRCUIT ELEMENTS INC. www.MCEmagnetics.com, ph. 831-757-8752, fax 831-757-5478				
PROD.	<i>MAP</i>	3-10-10						
ENG.	<i>JC</i>	3-10-10		COMMON MODE or DC FILTER - CHOKES - RF				
Q.A.	<i>BT</i>	3-10-10	TEST CONDITION 20° ± 5° C	DECIMALS (IN.) .XX = ± .03 .XXX = ± .010	VOLTS ±5%	FREQUENCY ±5%	SIZE A	DWG. NO. OMSL
REV.	C	3-10-10						