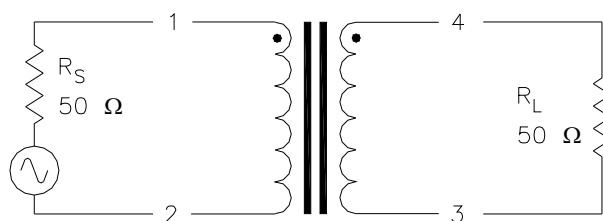


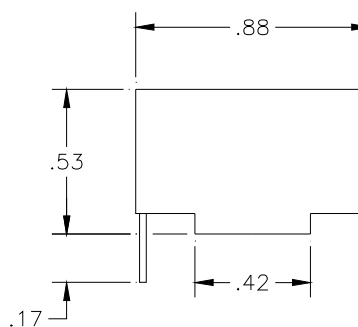
# ELECTRICAL SPECIFICATIONS

- T/R&Ø - Winding Turns Ratio  $\pm 2\%$  DCR  $\Omega \pm 10\%$   
 DCR (1-2) ref. 1.000 .070  
 (4-3) 1.000 Ø .077
- L (1-2) - 26  $\mu\text{H}$   $^{+30\%}_{-20\%}$  at 50 mVRMS, 30 kHz.  
 C(1-2)-to-(4-3) - 13 pF Typical at 5 VRMS, 100 kHz.  
 Distributive C(1-2) - 2 pF Typical at 5 VRMS, 100 kHz.  
 Self Res. Freq. - 22 MHz Typical.

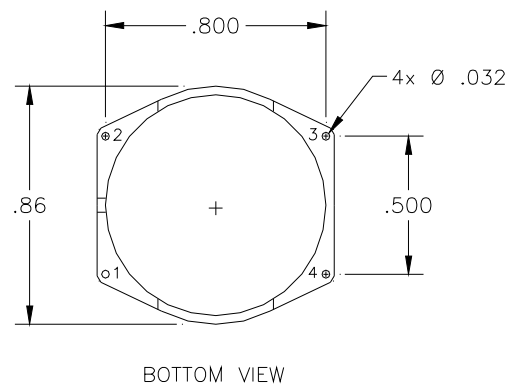
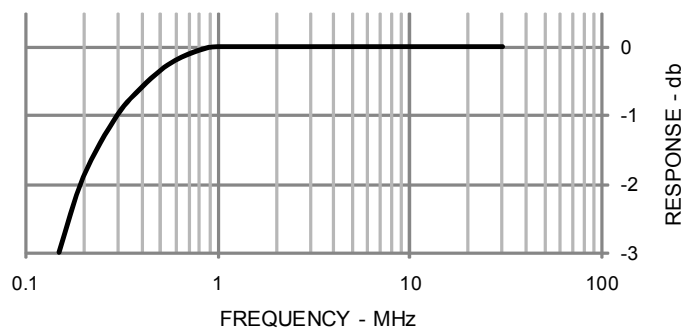
## SCHEMATIC DIAGRAM



## MECHANICAL SPECIFICATIONS



## FREQUENCY RESPONSE



## NOTES

1. High frequency roll-off will depend on total parallel capacitance including load. MCE can supply a sample part to determine this for the specific application. If the source impedance is low, both roll-offs will be extended.
2. Designed to meet MIL-PRF-27 Grade 5, Class S (130°C).
3. Pins are hot solder dipped.

	INIT.	DATE	CAGE	<b>MAGNETIC CIRCUIT ELEMENTS INC.</b> www.MCEmagnetics.com, ph. 831-757-8752, fax 831-757-5478				
PROD.	JAP	3-8-10						
ENG.	JC	3-8-10	<b>50 OHM - MHz WIDEBAND TRANSFORMER</b>					
Q.A.	BZ	3-8-10	TEST CONDITION	DECIMALS (IN.)	VOLTS	FREQUENCY	SIZE	DWG. NO.
REV.			20° ± 5° C	.XX = ± .03 .XXX = ± .010	±5%	±5%	A	<b>EM18WT27</b>