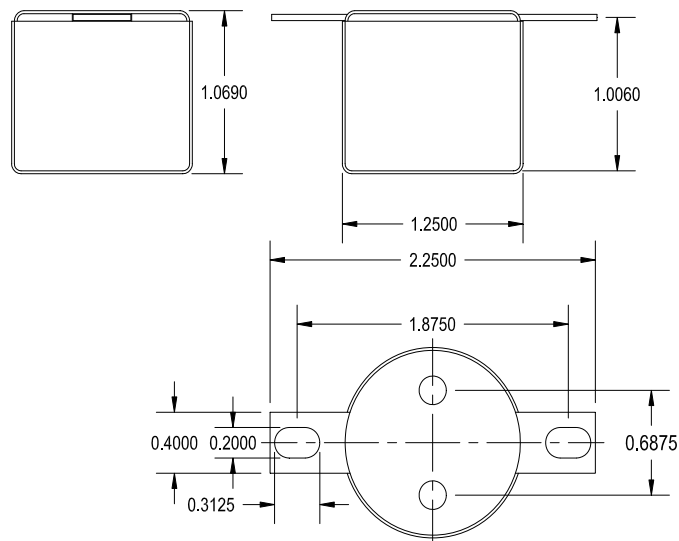


1140-LN-D

LINE INPUT TRANSFORMER
4:1 STEP DOWN TURNS RATIO

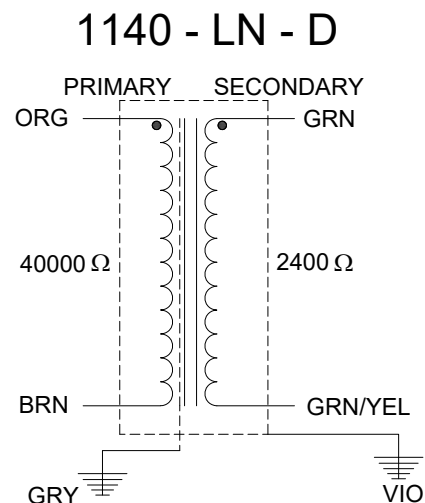
This transformer is designed for input stages with a wide bandwidth and low distortion. This transformer can be used to match high impedance inputs to low secondary source impedances

It also has excellent shielding from the mu metal can.



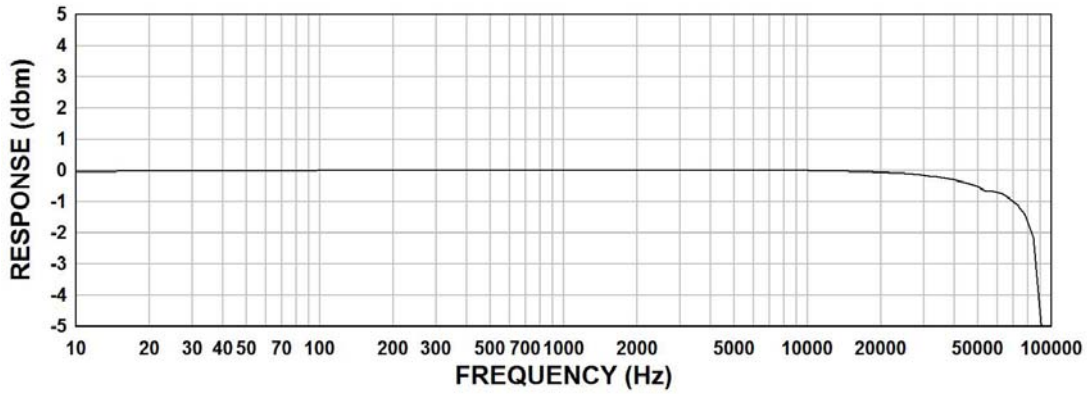
ELECTRICAL SPECIFICATIONS

Characteristic	Conditions	Typical
Input Impedance		40000 Ω
Output Impedance		2400 Ω
Primary Input Impedance	@ 1kHz +4dbu Test Circuit 3	42KΩ
Secondary Output Impedance	@ 1kHz +4dbu Test Circuit 4	225Ω
Maximum input Level	@ 20Hz	+21.0db
DCR		
Primary	@20°C	1.96 KΩ
Secondary	@20°C	95 Ω
Frequency Response	@ 20 Hz, +4 dbu, Test Circuit 3	-0.03db
	@ 20 kHz, +4 dbu, Test Circuit 3	+0.07db
Turns ratio		4:1
Common Mode Rejection Level	@ 60 Hz Test Circuit 2	70db
	3kHz Test Circuit 2	65db
THD	@ 1kHz -20 dbu Test Circuit 1	0.007%
	@ 20Hz -20 dbu Test Circuit 1	0.001%
Phase Shift	@ 20 Hz Test Circuit 1	0.5°
	@ 20 kHz Test Circuit 1	-10.0°
Capacitance	Primary to Shield and Case	525pf
	Secondary to Shield and Case	640pf
Dielectric Strength		500 Vrms



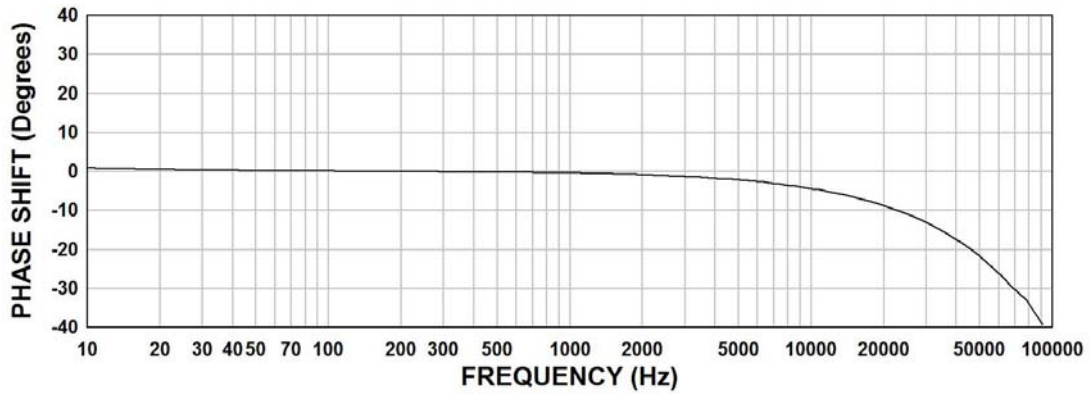
1140-LN-D FREQUENCY RESPONSE

Input Level +4dbu
 $R_s = 600\Omega$, $R_L = 20000\Omega$



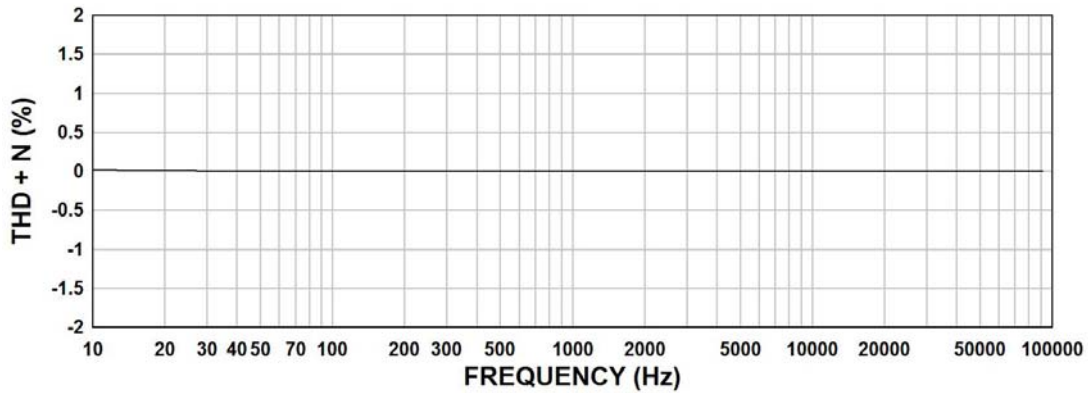
1140-LN-D PHASE SHIFT

Input Level +4dbu
 $R_s = 600\Omega$, $R_L = 20000\Omega$

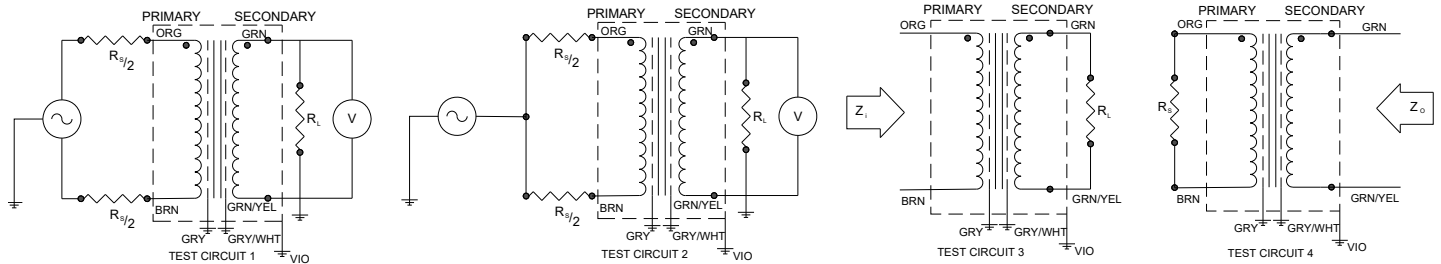


1140-LN-D THD + N

Input Level +4dbu
 $R_s = 600\Omega$, $R_L = 20000\Omega$



TYPICAL TEST CIRCUIT



Measurement instruments: Hp4192a Impedance Analyzer; Hp3456a DVM; Keithley 2002 DVM; D scope series iii audio analyzer

This drawing and the information in it is the property of Hammond Manufacturing. It may not be reproduced, transmitted or used in any manner whatsoever without the written permission of Hammond Manufacturing. Data subject to change without notice.