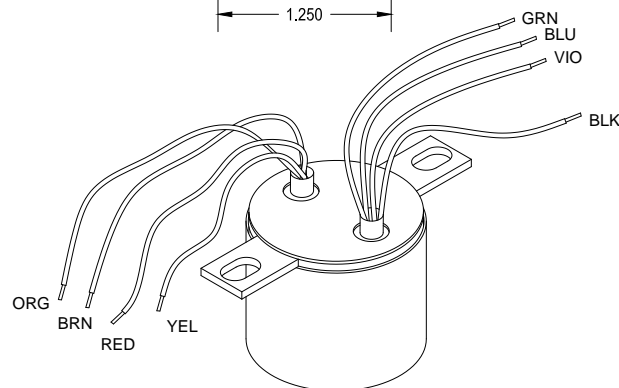
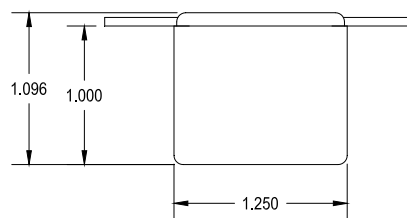
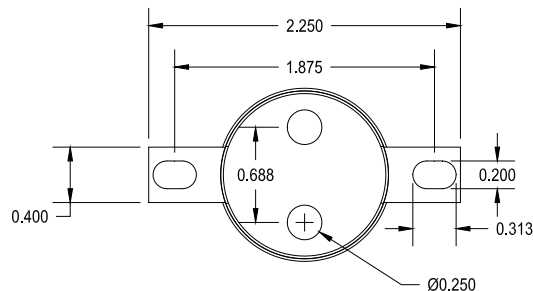


140PEX

CHASSIS MOUNT – SHIELDED
IMPEDANCE MATCHING TRANSFORMER

This transformer operates in the 20 Hz to 20 KHz range. The mumetal can provides excellent shielding from a broad range of external sources. While the nickel core provides high permeability combined with low losses.

Typical applications Input/output Isolation, Line Matching, Driver, Hybrid applications.



ELECTRICAL SPECIFICATIONS

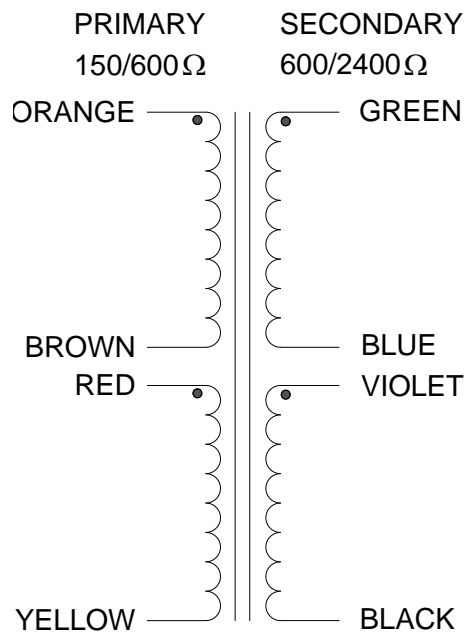
Characteristic	Typical
Input Impedance	150/600 Ω
Output Impedance	600/2400 Ω
Output Power	10.0 dbm
DCR	
Primary	58.0 Ω
RED – YEL	29.0 Ω
ORG – BRN	29.0 Ω
Secondary	190.0 Ω
GRN – BLU	95.0 Ω
VIO - BLK	95.0 Ω
Inductance @ 1.0 kHz, 1.0 V OC	
Primary	14.5 H
Secondary	55.0 H
Impedance @ 1.0 kHz, 1.0 V OC	
Primary	7.0 k Ω
Secondary	26.0 k Ω
Frequency Response ± 1 db from 20 Hz to 20KHz	
Turns ratio	1:1, 1:2, 1:4
Insertion Loss	<0.8 db
Return Loss	30 db
Longitudinal balance	-70 db
Dielectric Strength 500 Vrms	



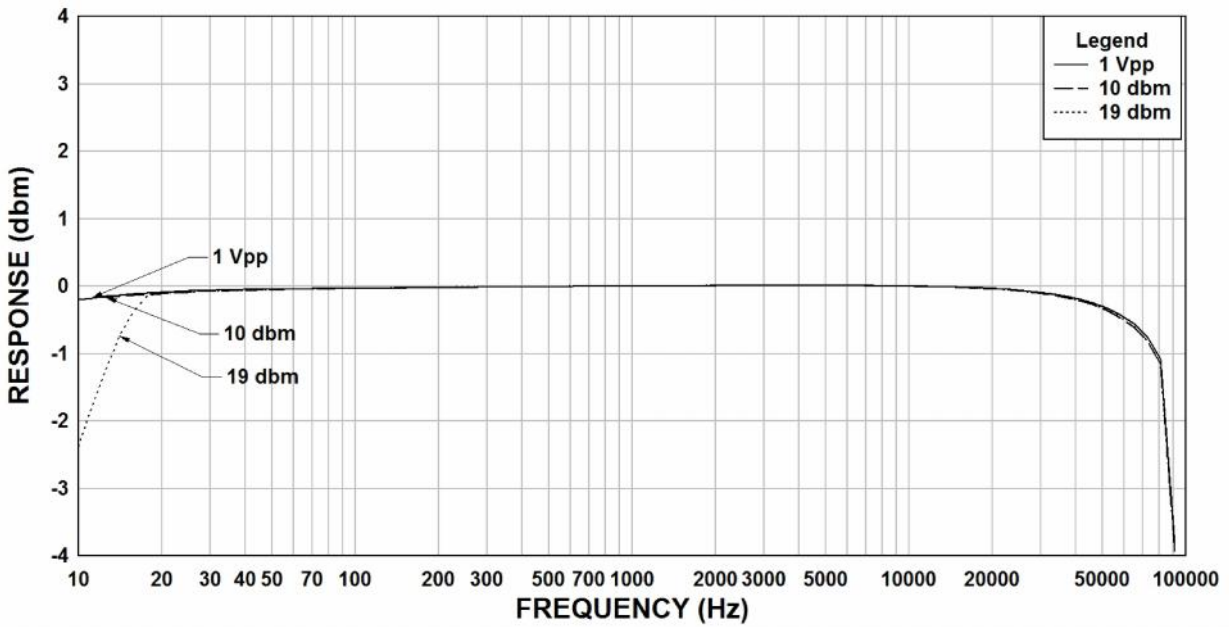
140PEX

5mW 20Hz - 20kHz
 ORG-BRN & RED-YEL: 150/600 Ω
 GRN-BLU & VIO-BLK: 600/2400 Ω
 MADE IN CANADA

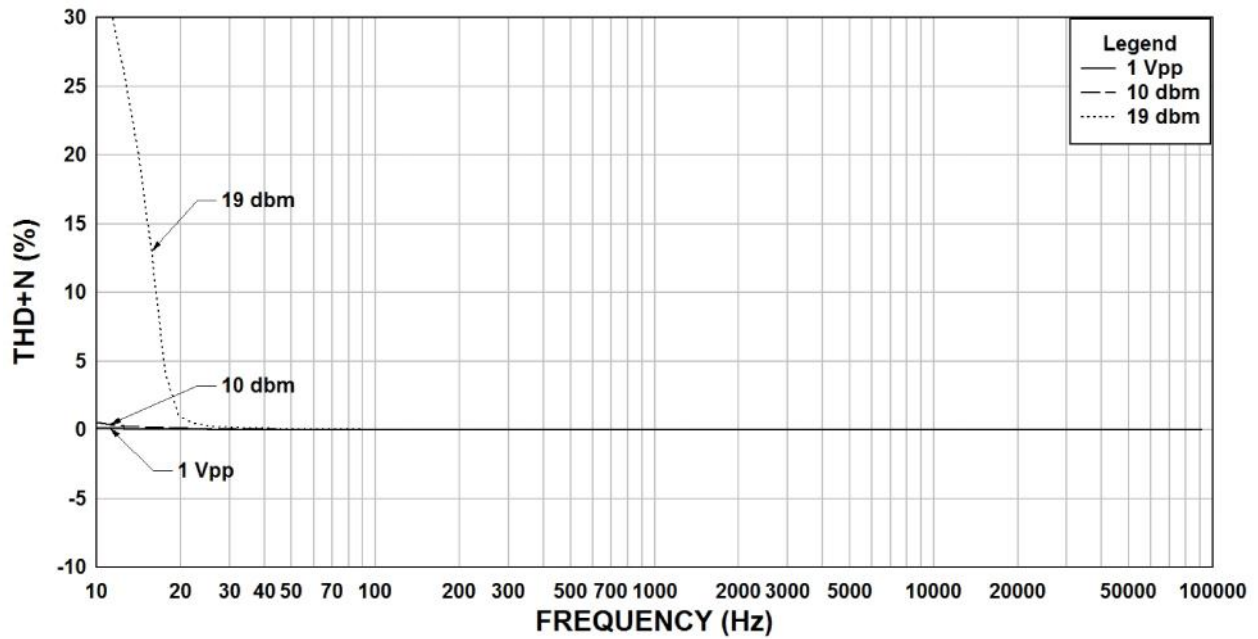
SCHEMATIC DIAGRAM



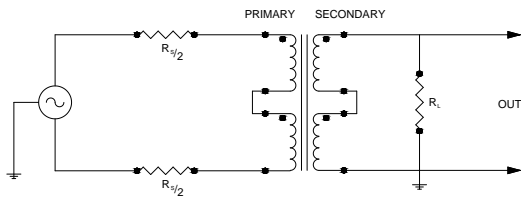
140PEX Rs=600, RI=2400 Frequency Response



140PEX Rs=600, RI=2400 THD+N



TYPICAL TEST CIRCUIT



Measurement instruments
 Hp4192a impedance analyzer
 Hp3456a DVM
 Keithley 2002 DVM
 D scope series iii audio analyzer

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