

140TEX

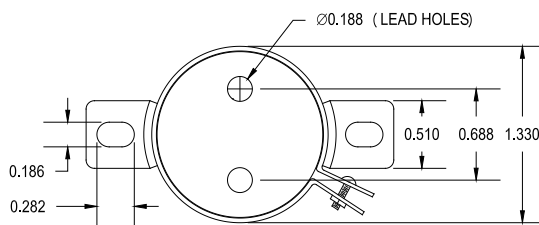
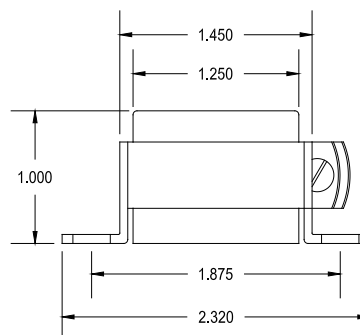
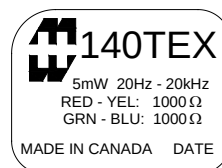
CHASSIS MOUNT – SHIELDED
IMPEDANCE MATCHING TRANSFORMER

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

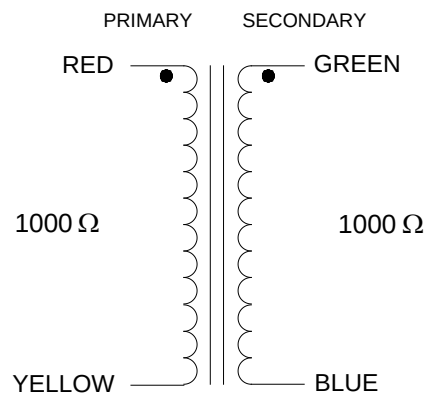
Typical applications Input/output Isolation, Line Matching, Driver, Hybrid applications.

ELECTRICAL SPECIFICATIONS

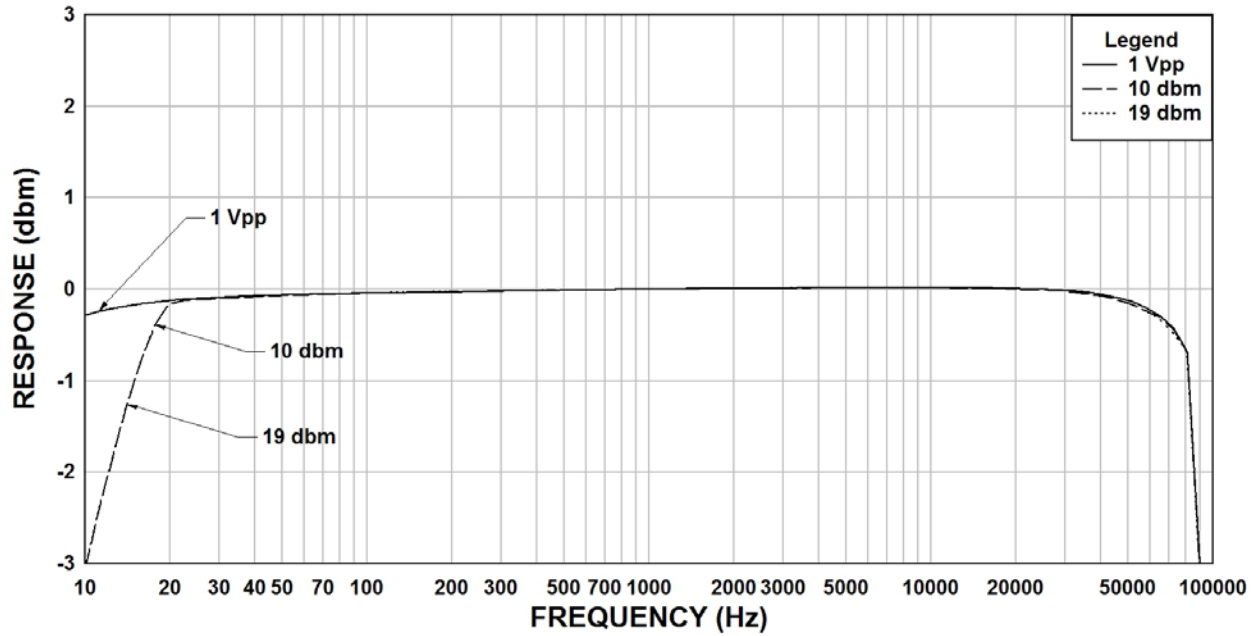
Characteristic	Typical
Input Impedance	1,000 Ω
Output Impedance	1,000 Ω
Output Power	10.0 dbm
DCR	
Primary	89.7 Ω
Secondary	89.7 Ω
Inductance	@ 1.0 kHz, 1.0 V OC
Primary	7.20 H
Secondary	7.20 H
Impedance	@ 1.0 kHz, 1.0 V OC
Primary	62.7k Ω
Secondary	62.7k Ω
Frequency Response	± 1 db from 20 Hz to 20KHz
Turns ratio	1:1
Insertion Loss	< 1.0 db
Return Loss	20 db
Longitudinal balance	-65 db
Dielectric Strength	500 Vrms



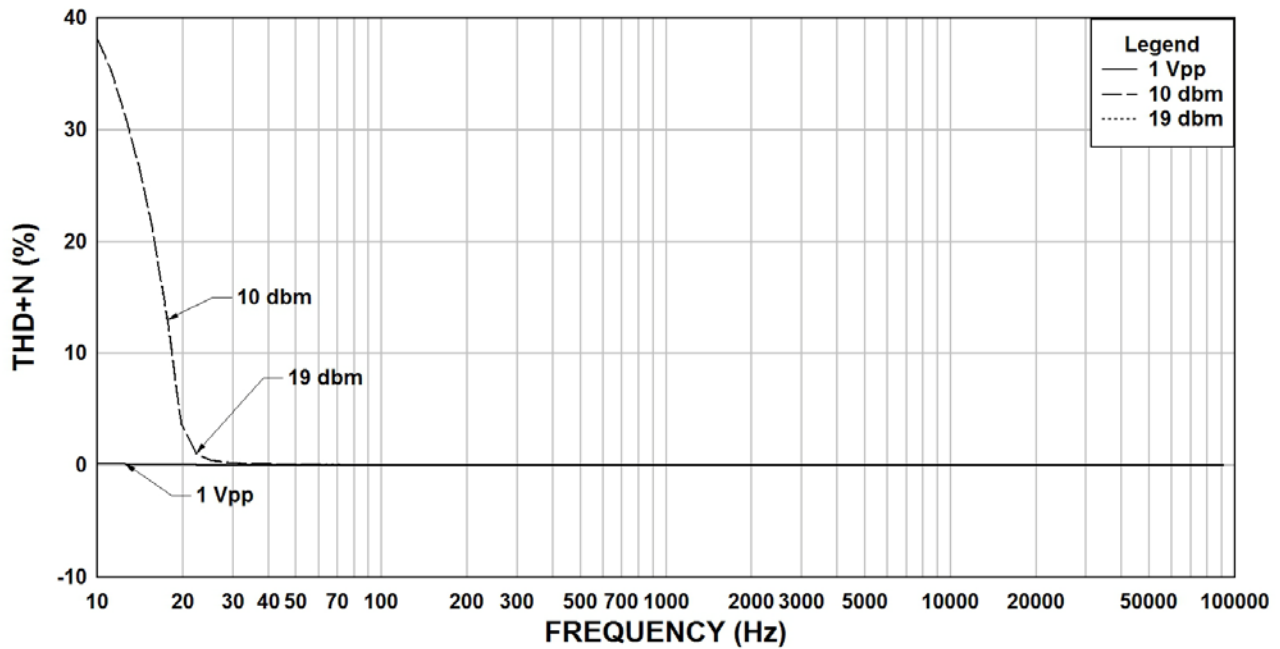
SCHEMATIC DIAGRAM



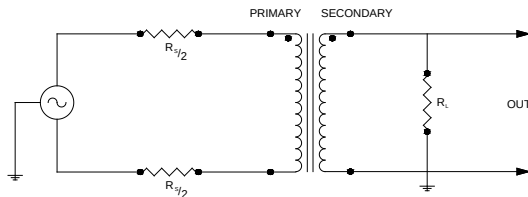
140TEX Rs=1000, RI=1000 Frequency Response



140TEX Rs=1000, RI=100 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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