

140NEX

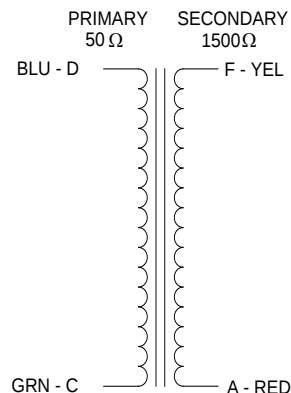
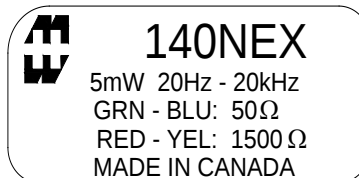
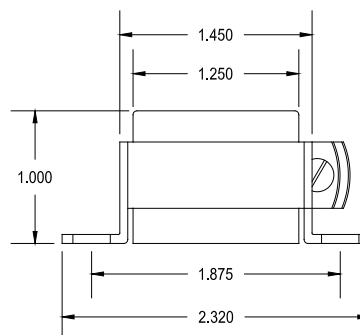
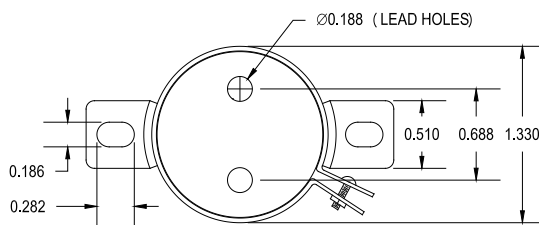
CHASSIS MOUNT – SHIELDED
IMPEDANCE MATCHING TRANSFORMER

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

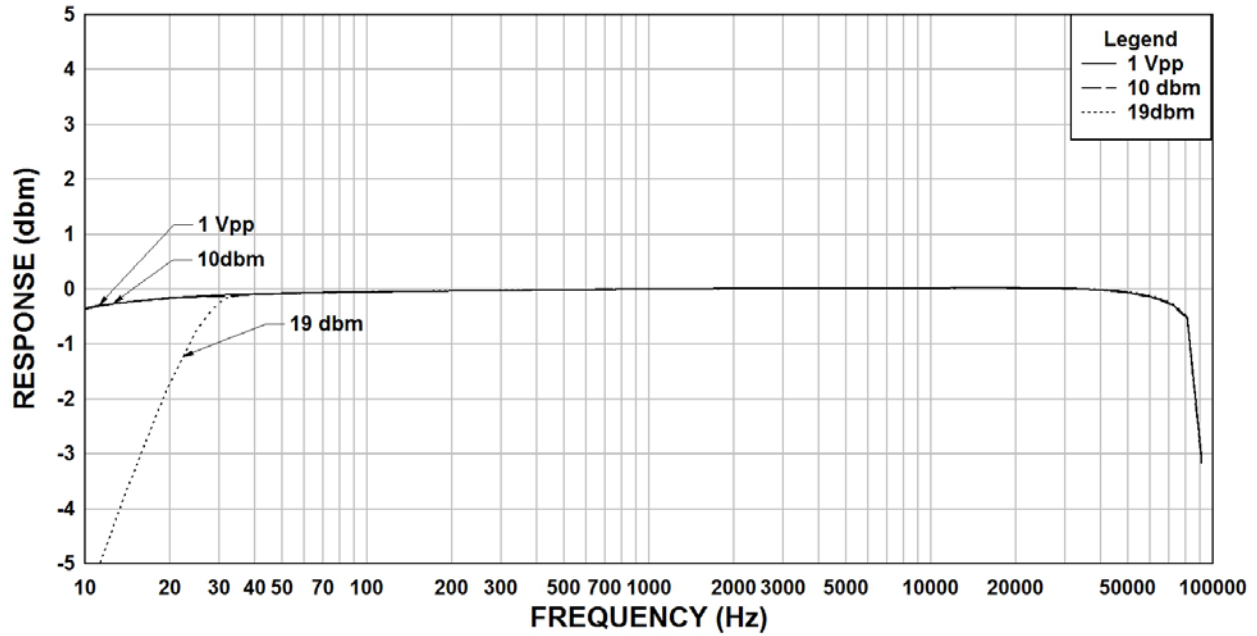
Typical applications Input/output Isolation, Line Matching, Driver, Hybrid applications.

ELECTRICAL SPECIFICATIONS

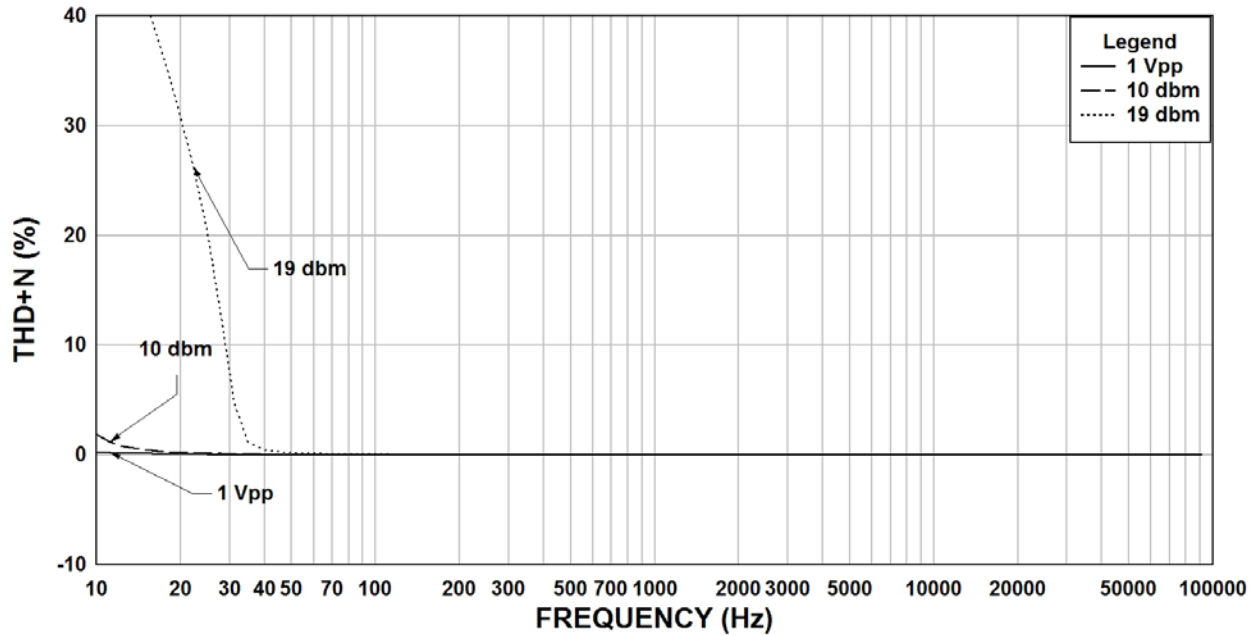
Characteristic	Typical
Input Impedance	4 Ω
Output Impedance	60,000 Ω
Output Power	10.0 dbm
DCR	
Primary	5.30 Ω
Secondary	116.5 Ω
Inductance	@ 1.0 kHz, 1.0 V OC
Primary	326 mH
Secondary	9.30 H
Impedance	@ 1.0 kHz, 1.0 V OC
Primary	2.83 k Ω
Secondary	79.0 k Ω
Frequency Response	± 1 db from 20 Hz to 20KHz
Turns ratio	1:5.47
Insertion Loss	< 0.9 db
Return Loss	28.0 db
Longitudinal balance	-70 db
Dielectric Strength	500 Vrms



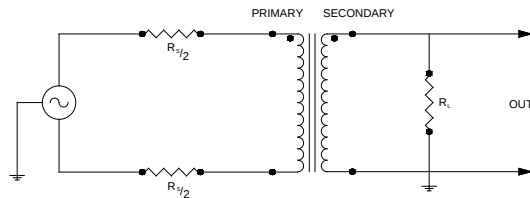
140NEX Rs=50, RI=1500 Frequency Response



140NEX Rs=50, RI=1500 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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