



140NEX

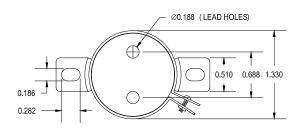
CHASSIS MOUNT – SHIELDED IMPEDANCE MATCHING TRANSFORMER

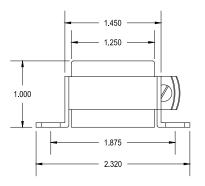
This transformer operates in the 20 Hz to 20 KHz range. The metal can provides excellent shielding from a broad range of external sources. The nickel core provides high permeability combined with low losses.

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

ELECTRICAL SPECIFICATIONS

Characteristic	<u>Typical</u>
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 kΩ
Secondary	79.0 kΩ
Frequency Response	±1db 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

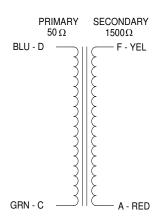




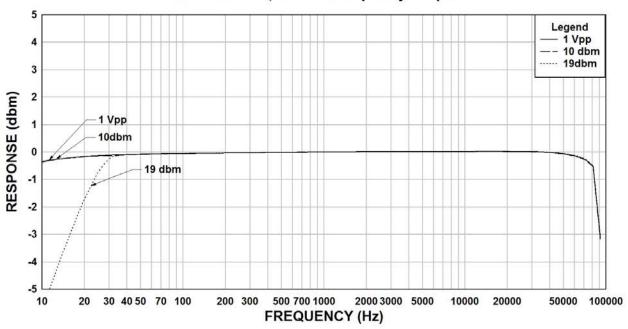
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140NEX

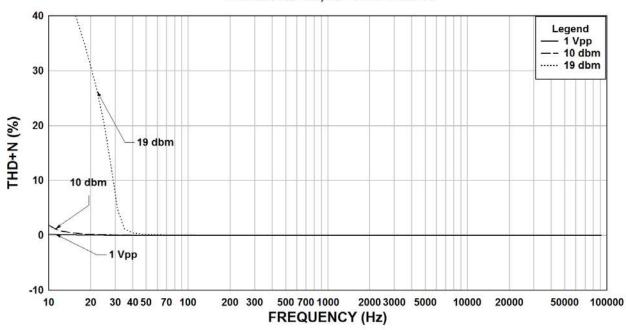
5mW 20Hz - 20kHz GRN - BLU: 50 Ω RED - YEL: 1500 Ω MADE IN CANADA



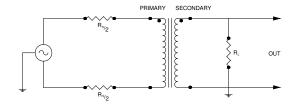
140NEX Rs=50, RI=1500 Frequency Response



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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