



# **140TEX**

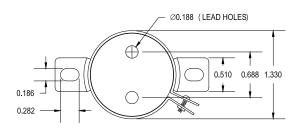
CHASSIS MOUNT – SHIELDED IMPEDANCE MATCHING TRANSFORMER

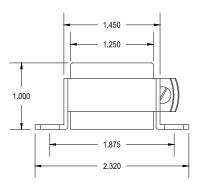
This transformer operates in the 20 Hz to 20 KHz range. The metal can provides excellent shielding from a broad range of external sources. While the nickel core provides high permeability combined with low losses.

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

## **ELECTRICAL SPECIFICATIONS**

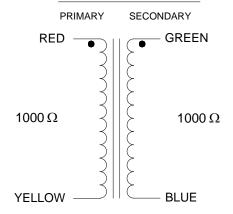
Characteristic	<u>Typical</u>
Input Impedance	1,000 Ω
Output Impedance	1,000 Ω
Output Power	10.0 dbm
DCR	
Primary	89.7 Ω
Secondary	89.7 Ω
Inductance	@ 1.0 kHz, 1.0 V OC
Primary	7.20 H
Secondary	7.20 H
Impedance	@ 1.0 kHz, 1.0 V OC
Primary	62.7kΩ
Secondary	62.7kΩ
Frequency Response	±1db from 20 Hz to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



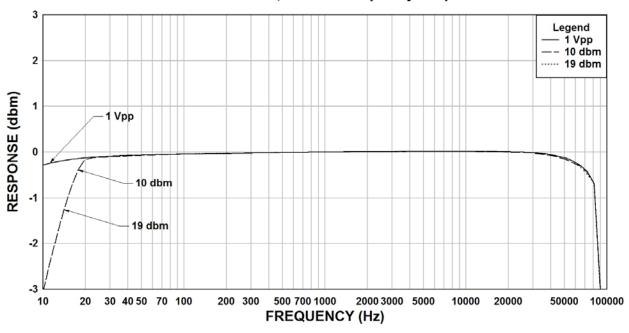




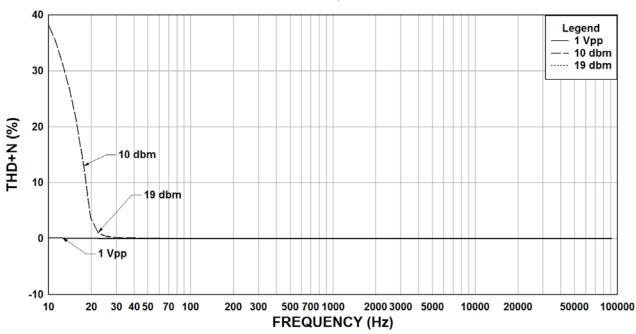
#### SCHEMATIC DIAGRAM



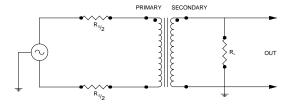
### 140TEX Rs=1000, RI=1000 Frequency Response



## 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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