

Hammond Mfg. Co. Ltd., Electronics Division www.hammondmfg.com

**140TEX** 

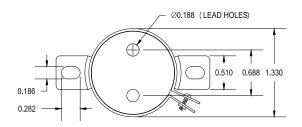
CHASSIS MOUNT – SHIELDED IMPEDANCE MATCHING TRANSFORMER

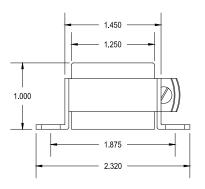
This transformer operates in the 20 Hz to 20 KHz range. The metal can provides excellent shielding from a broad range of external sources. While the nickel core provides high permeability combined with low losses.

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

## **ELECTRICAL SPECIFICATIONS**

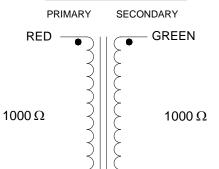
<u>Typical</u>
1,000 Ω
1,000 Ω
10.0 dbm
89.7 Ω
89.7 Ω
@ 1.0 kHz, 1.0 V OC
7.20 H
7.20 H
@ 1.0 kHz, 1.0 V OC
62.7kΩ
62.7kΩ
±1db from 20 Hz to 20KHz
1:1
< 1.0 db
20 db
-65 db
500 Vrms







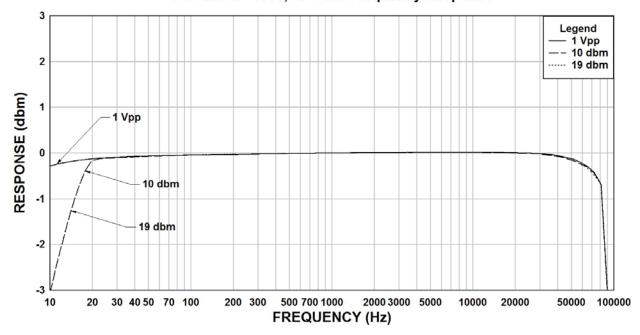
YELLOW



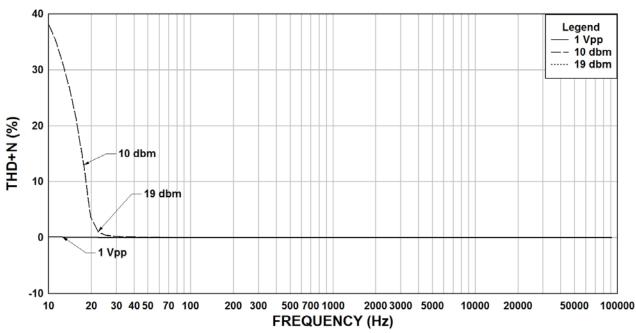
**BLUE** 

SCHEMATIC DIAGRAM

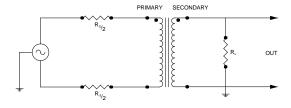
## 140TEX Rs=1000, RI=1000 Frequency Response



## 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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