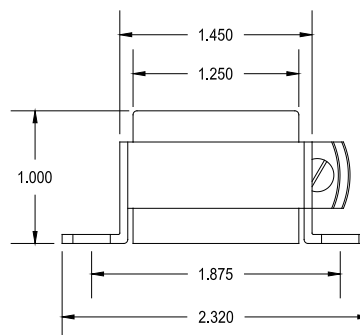
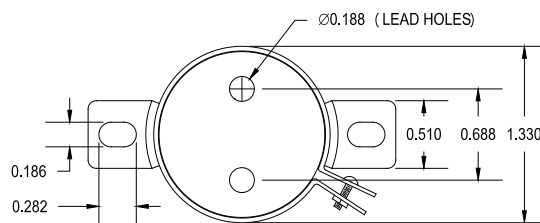


140UEX

CHASSIS MOUNT – SHIELDED
IMPEDANCE MATCHING TRANSFORMER

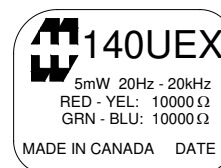
This transformer operates in the 20 Hz to 20 KHz range. The metal can provides excellent shielding from a broad range of external sources. The nickel core provides high permeability combined with low losses.

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

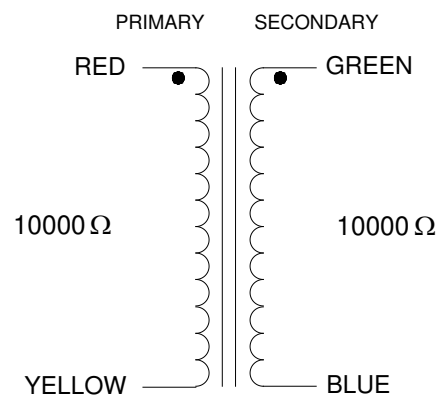


ELECTRICAL SPECIFICATIONS

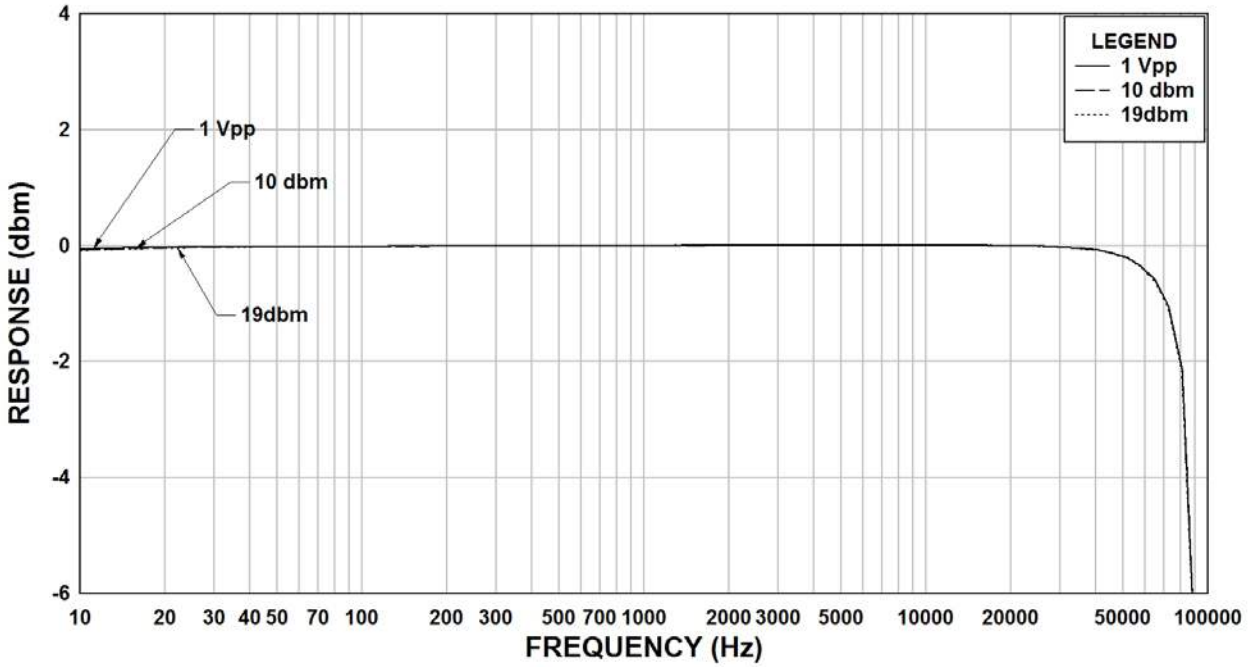
Characteristic	Typical
Input Impedance	10,000 Ω
Output Impedance	10,000 Ω
Output Power	10.0 dbm
DCR	
Primary	886.0 Ω
Secondary	903.5 Ω
Inductance	@ 1.0 kHz, 1.0 V OC
Primary	36.5H
Secondary	36.5H
Impedance	@ 1.0 kHz, 1.0 V OC
Primary	882k Ω
Secondary	882k Ω
Frequency Response	± 1 db from 20 Hz to 20KHz
Turns ratio	1:1
Insertion Loss	< 1.0 db
Return Loss	20.0db
Longitudinal balance	-50.0db
Dielectric Strength	500 Vrms



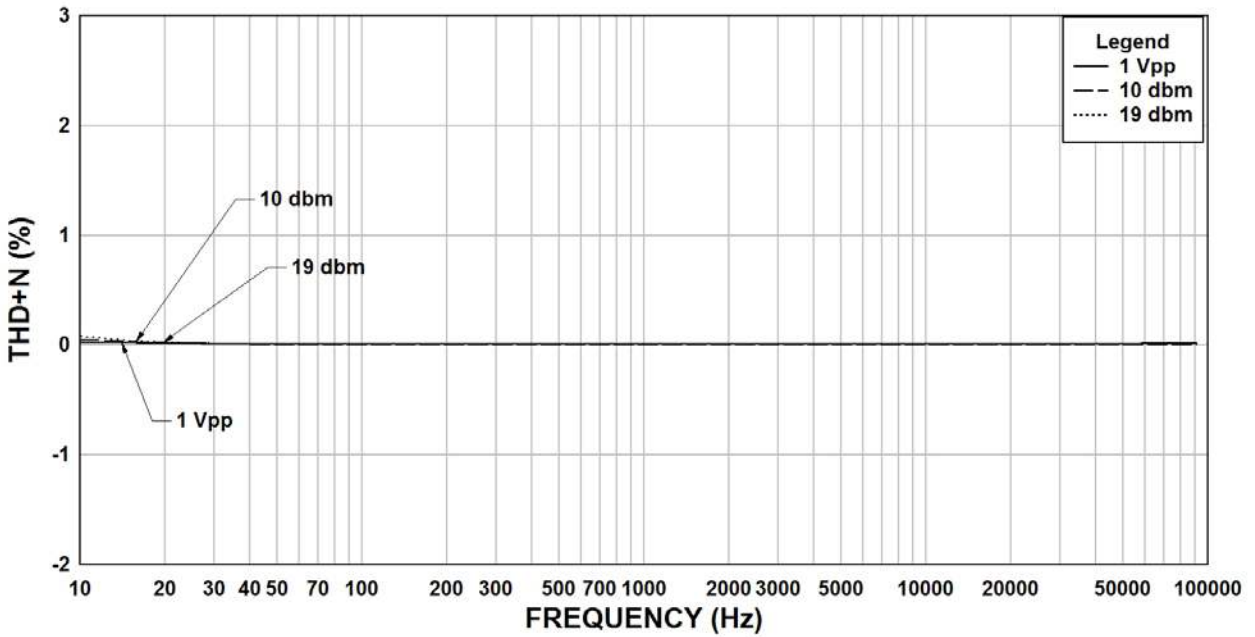
SCHEMATIC DIAGRAM



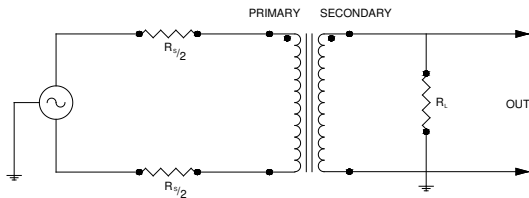
140UEX Rs=10K, RI=10K Frequency Response



140UEX Rs=10K, RI=10K THD+N



TYPICAL TEST CIRCUIT



Measurement instruments
 Hp4192a impedance analyzer
 Hp3456a DVM
 Keithley 2002 DVM
 D scope series iii audio analyzer

This drawing and the information in it is the property of Hammond Manufacturing. It may not be reproduced, transmitted or used in any manner whatsoever without the written permission of Hammond Manufacturing. Data subject to change without notice.