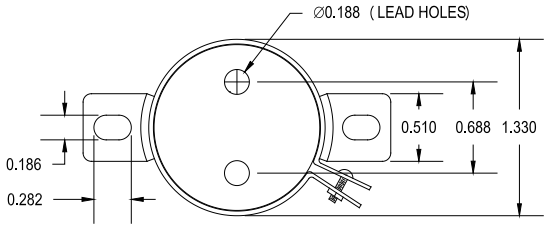
Hammond Mfg. Co. Ltd., Electronics Division

www.hammondmfg.com

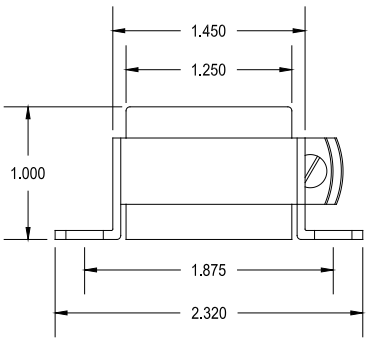
140UEX

CHASSIS MOUNT – SHIELDED
IMPEDANCE MATCHING TRANSFORMER



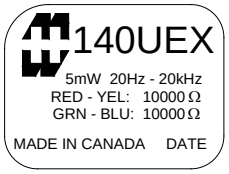
This transformer operates in the 20 Hz to 20 KHz range. The metal can provides excellent shielding from a broad range of external sources. The nickel core provides high permeability combined with low losses.

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

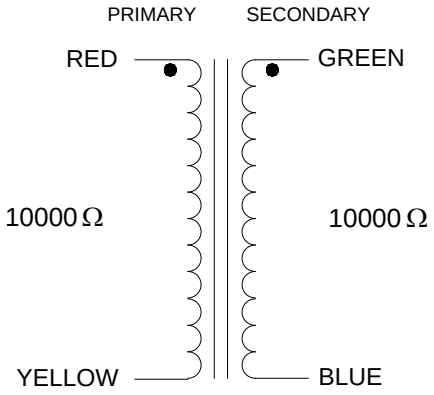


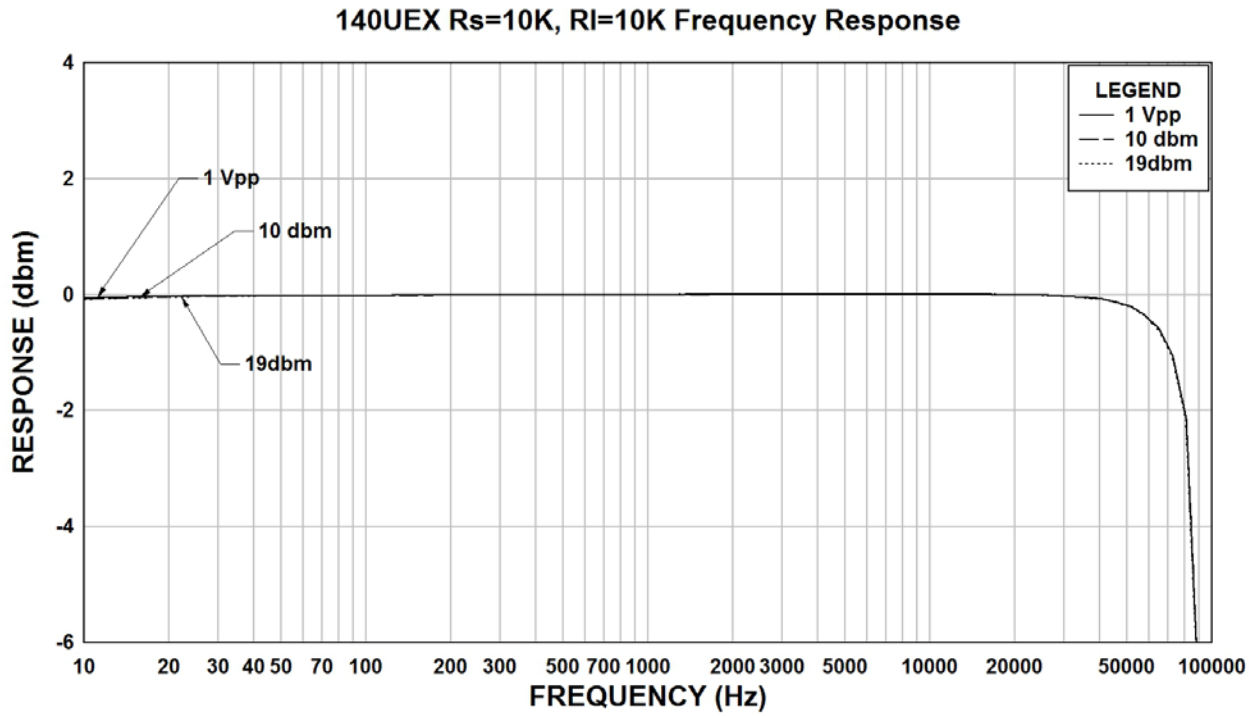
ELECTRICAL SPECIFICATIONS

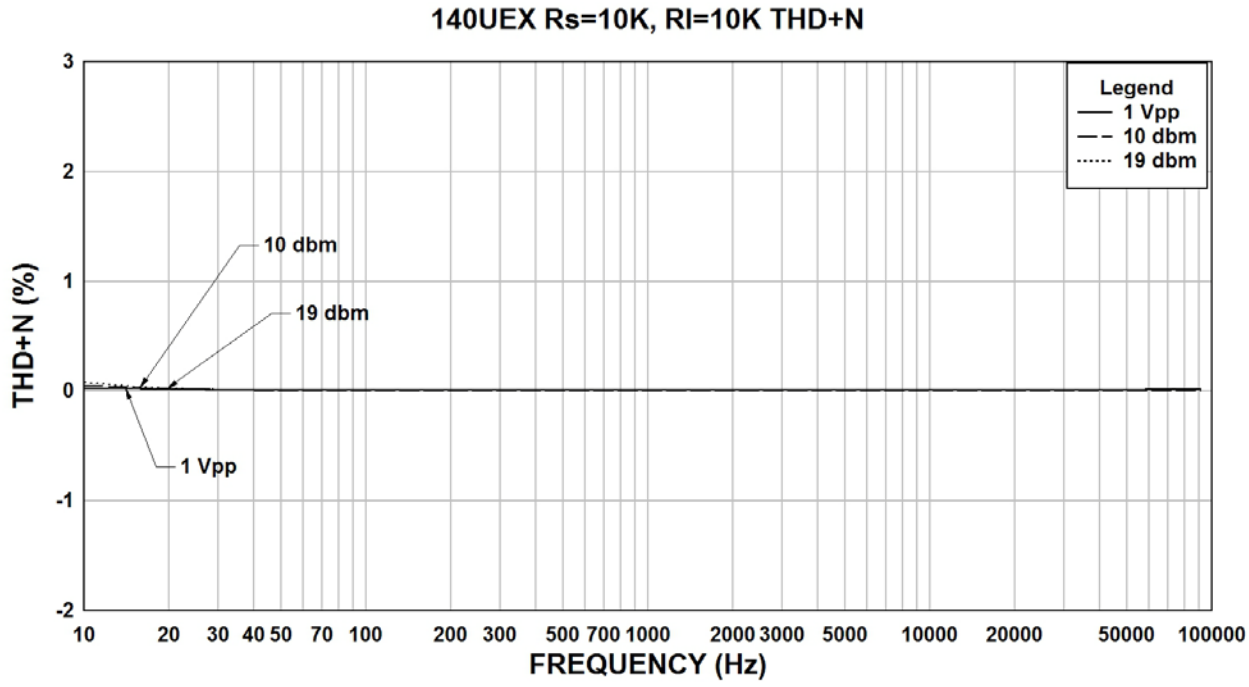
Characteristic	Typical
Input Impedance	10,000 Ω
Output Impedance	10,000 Ω
Output Power	10.0 dbm
DCR	
Primary	886.0 Ω
Secondary	903.5 Ω
Inductance	@ 1.0 kHz, 1.0 V OC
Primary	36.5H
Secondary	36.5H
Impedance	@ 1.0 kHz, 1.0 V OC
Primary	882kΩ
Secondary	882kΩ
Frequency Response	±1db from 20 Hz to 20KHz
Turns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



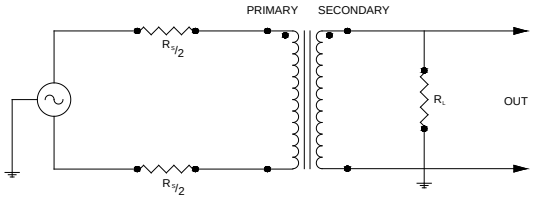
SCHEMATIC DIAGRAM







TYPICAL TEST CIRCUIT



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

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