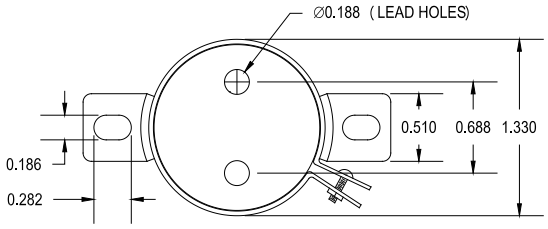
Hammond Mfg. Co. Ltd., Electronics Division

www.hammondmfg.com

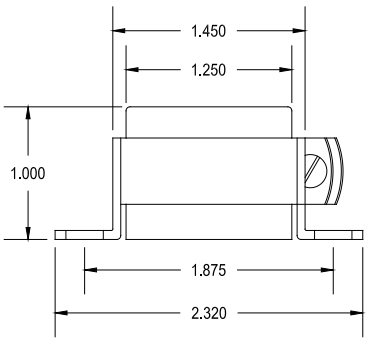
140QEX

CHASSIS MOUNT – SHIELDED
IMPEDANCE MATCHING TRANSFORMER



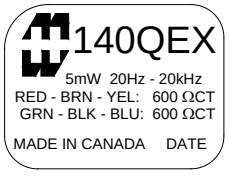
This transformer operates in the 20 Hz to 20 KHz range. The metal can provides excellent shielding from a broad range of external sources. While the nickel core provides high permeability combined with low losses.

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

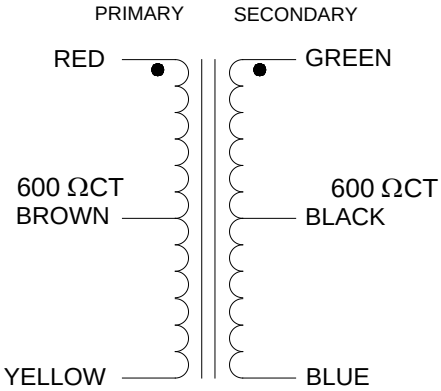


ELECTRICAL SPECIFICATIONS

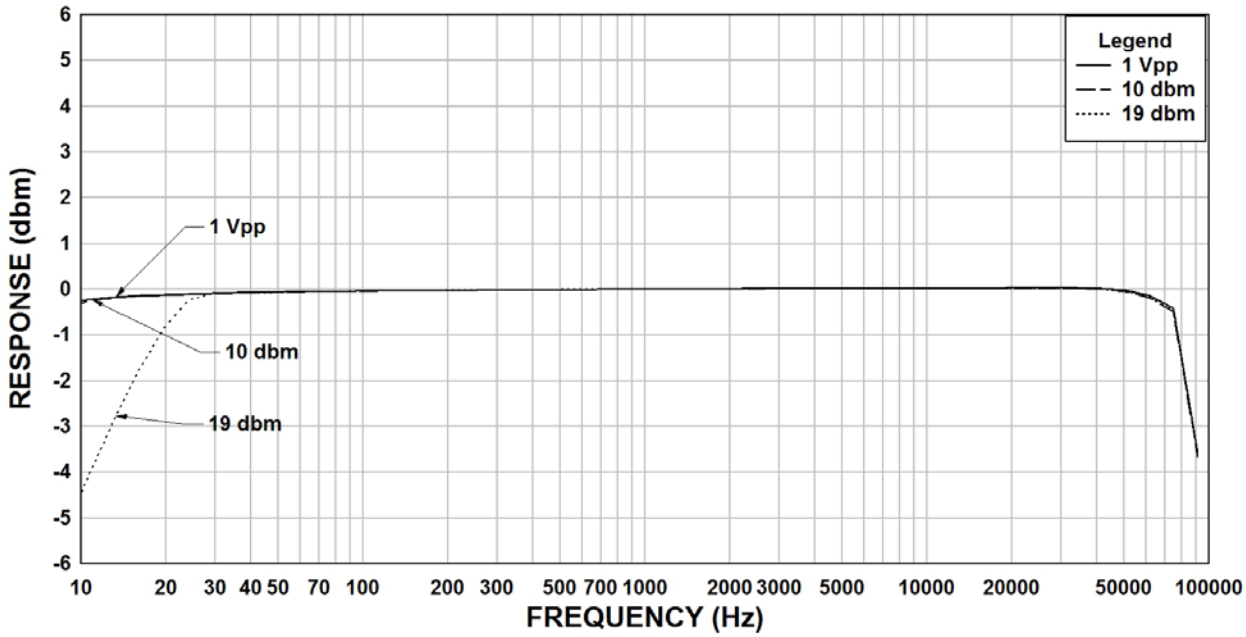
Characteristic	Typical
Input Impedance	600 ΩCT
Output Impedance	600 ΩCT
Output Power	10.0 dbm
DCR	
Primary	72.4 Ω
RED – BRN	36.2 Ω
BRN – YEL	36.2 Ω
Secondary	72.4 Ω
GRN – BLK	36.2 Ω
BLK – BLU	36.2 Ω
Inductance	@ 1.0 kHz, 1.0 V OC
Primary	10.62 H
Secondary	10.62 H
Impedance	@ 1.0 kHz, 1.0 V OC
Primary	64.5kΩ
Secondary	64.5kΩ
Frequency Response	±1db from 20 Hz to 20KHz
Turns ratio	1:1
Insertion Loss	< 1.1 db
Return Loss	20 db
Longitudinal balance	-65 db
Dielectric Strength	500 Vrms



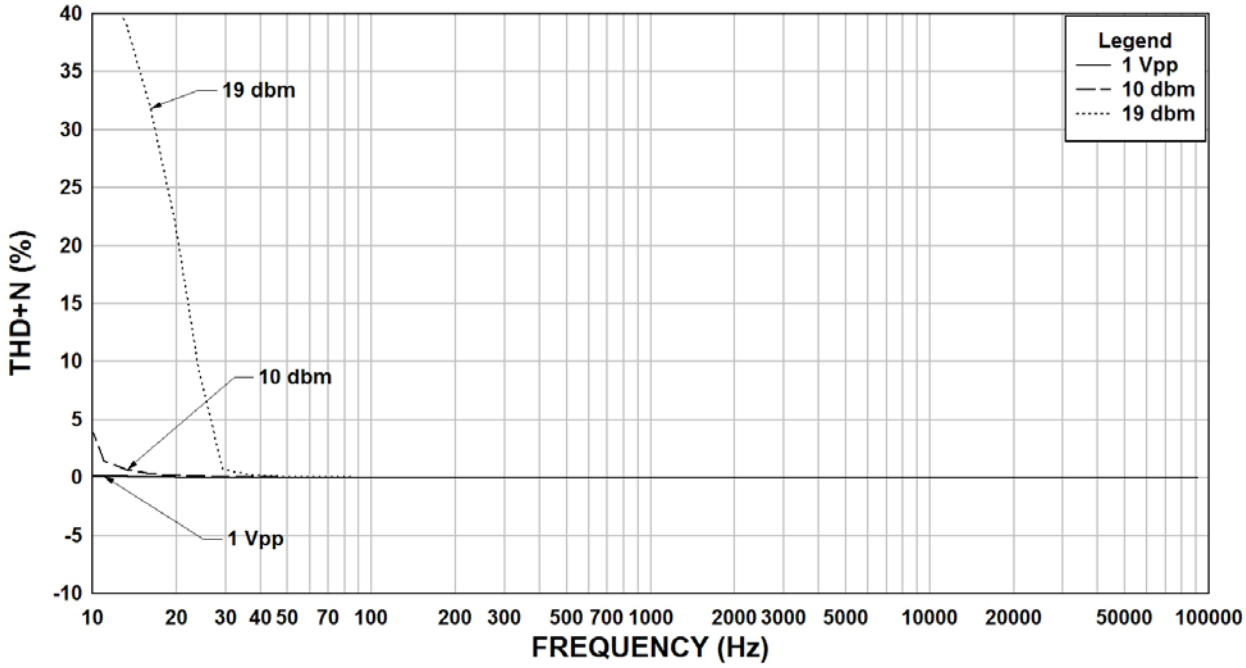
SCHEMATIC DIAGRAM



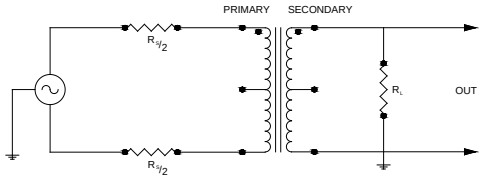
140QEX Rs=600, Rl=600 Frequency Response



140QEX Rs=600, Rl=600 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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