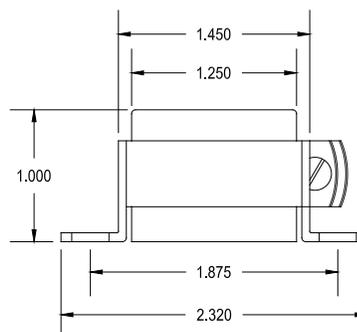
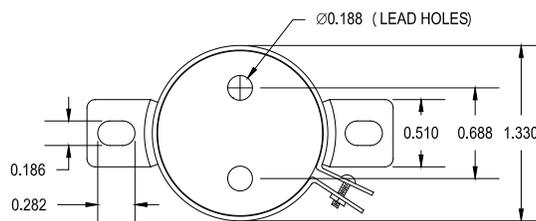


140UEX

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.

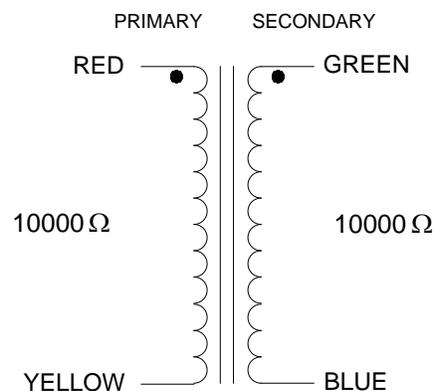


ELECTRICAL SPECIFICATIONS

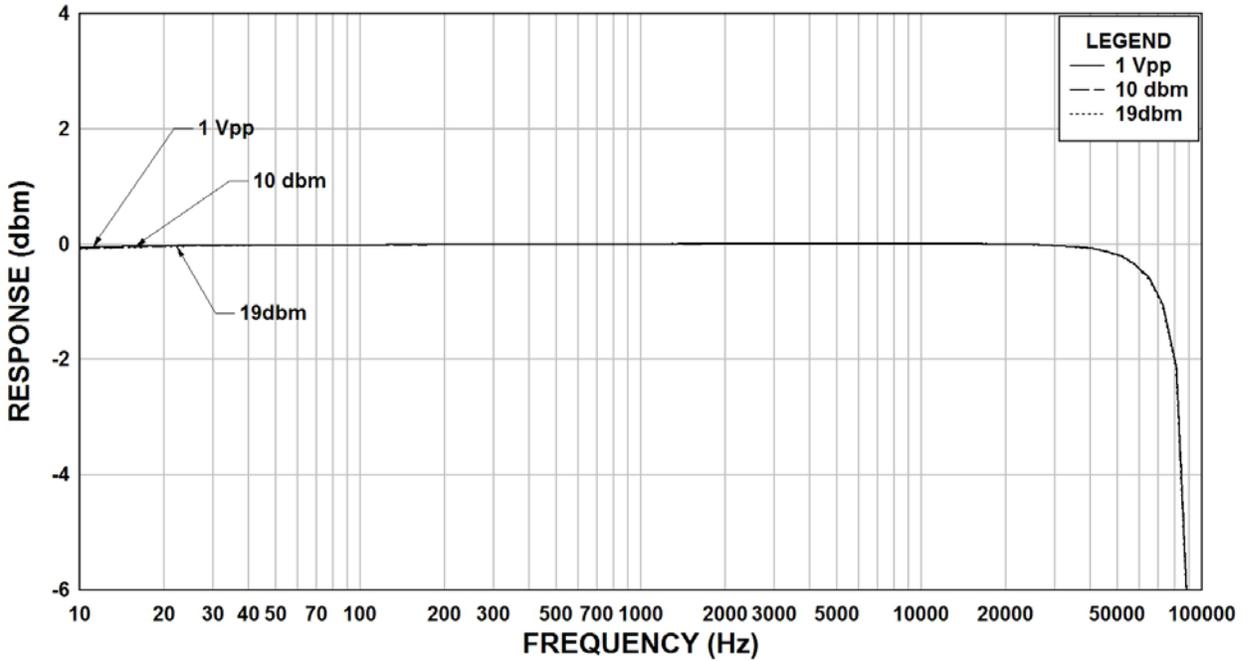
| Characteristic | Typical |
|----------------------|--------------------------------|
| Input Impedance | 10,000 Ω |
| Output Impedance | 10,000 Ω |
| Output Power | 10.0 dbm |
| DCR | |
| Primary | 886.0 Ω |
| Secondary | 903.5 Ω |
| Inductance | @ 1.0 kHz, 1.0 V OC |
| Primary | 36.5H |
| Secondary | 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 |



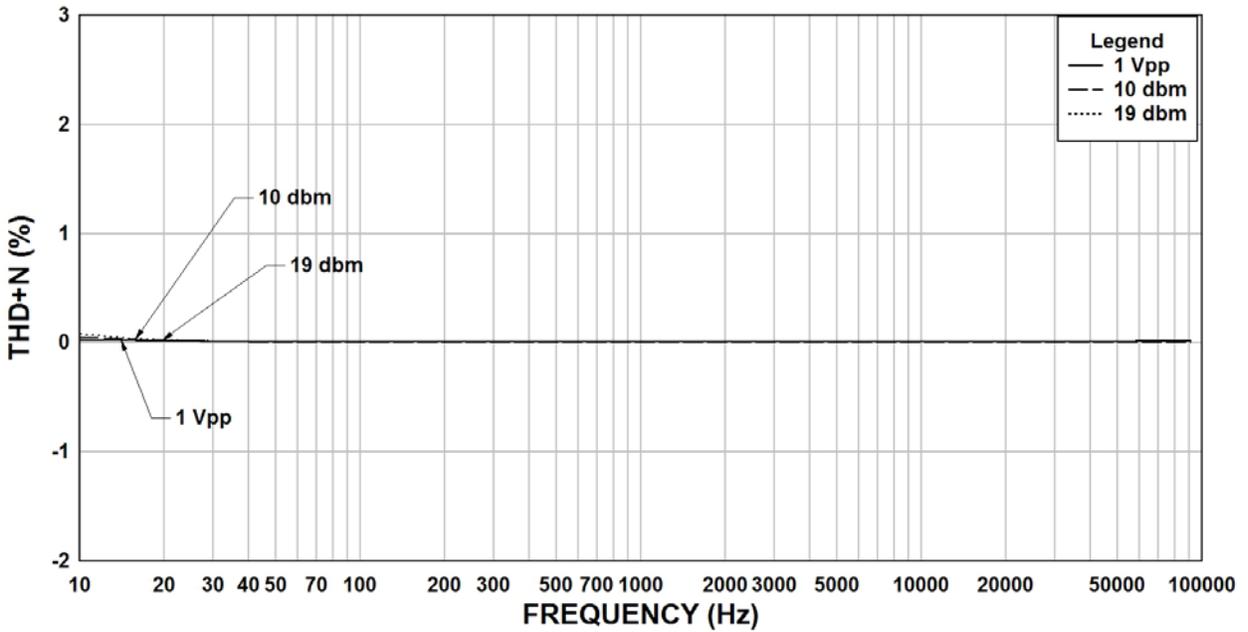
SCHEMATIC DIAGRAM



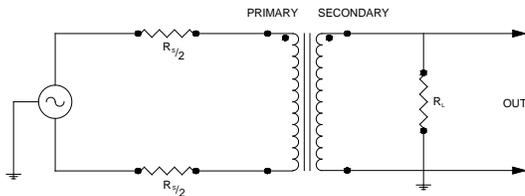
140UEX Rs=10K, RI=10K Frequency Response



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

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