



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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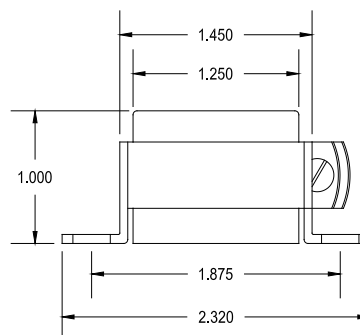
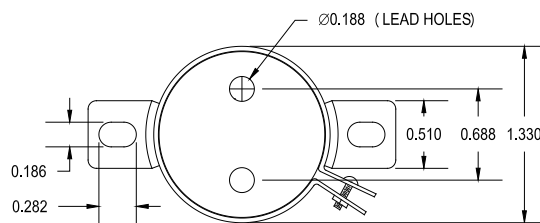


140REX

CHASSIS MOUNT – SHIELDED
IMPEDANCE MATCHING TRANSFORMER

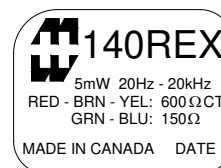
This transformer operates in the 20 Hz to 20 KHz range. The metal can provides excellent shielding from a broad range of external sources. While the nickel core provides high permeability combined with low losses.

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

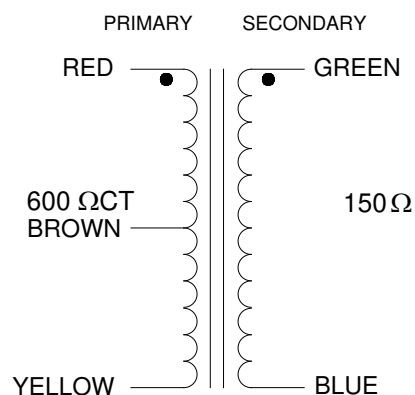


ELECTRICAL SPECIFICATIONS

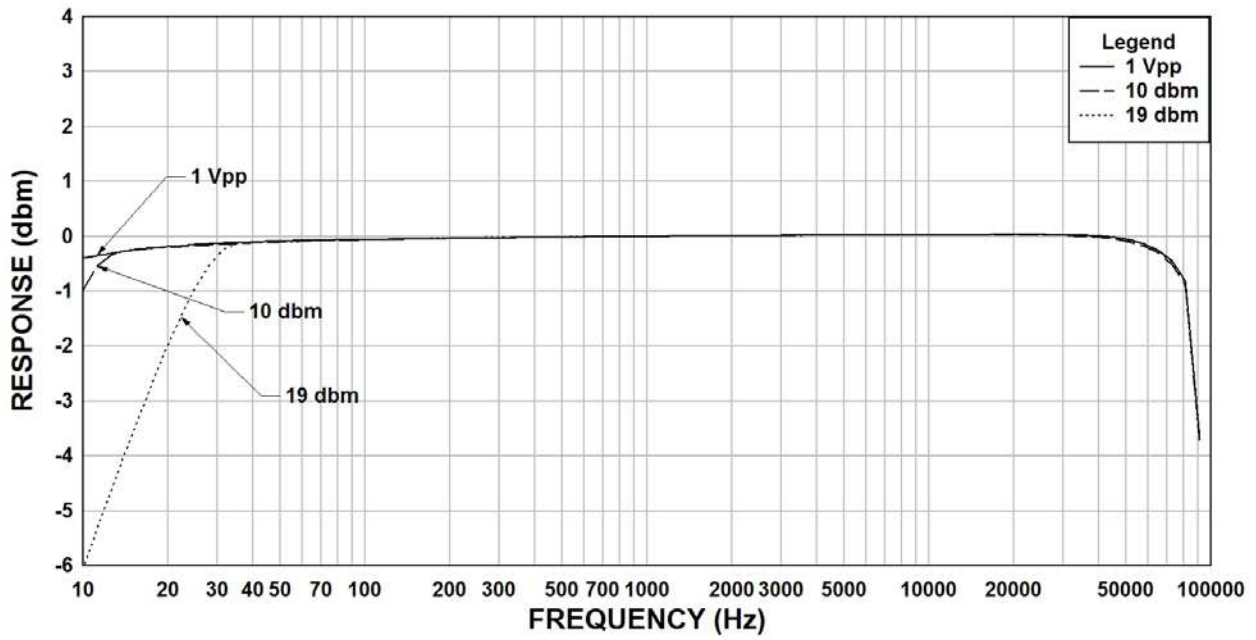
Characteristic	Typical
Input Impedance	600CT Ω
Output Impedance	150 Ω
Output Power	10.0 dbm
DCR	
Primary	72.4 Ω
RED – BRN	36.2 Ω
BRN – YEL	36.2 Ω
Secondary	18.2 Ω
Inductance	@ 1.0 kHz, 1.0 V OC
Primary	3.62 H
Secondary	0.88 H
Impedance	@ 1.0 kHz, 1.0 V OC
Primary	61.5 k Ω
Secondary	15.6 k Ω
Frequency Response	± 1 db from 20 Hz to 20KHz
Turns ratio	2:1
Insertion Loss	< 1.0 db
Return Loss	22.5 db
Longitudinal balance	-65 db
Dielectric Strength	500 Vrms



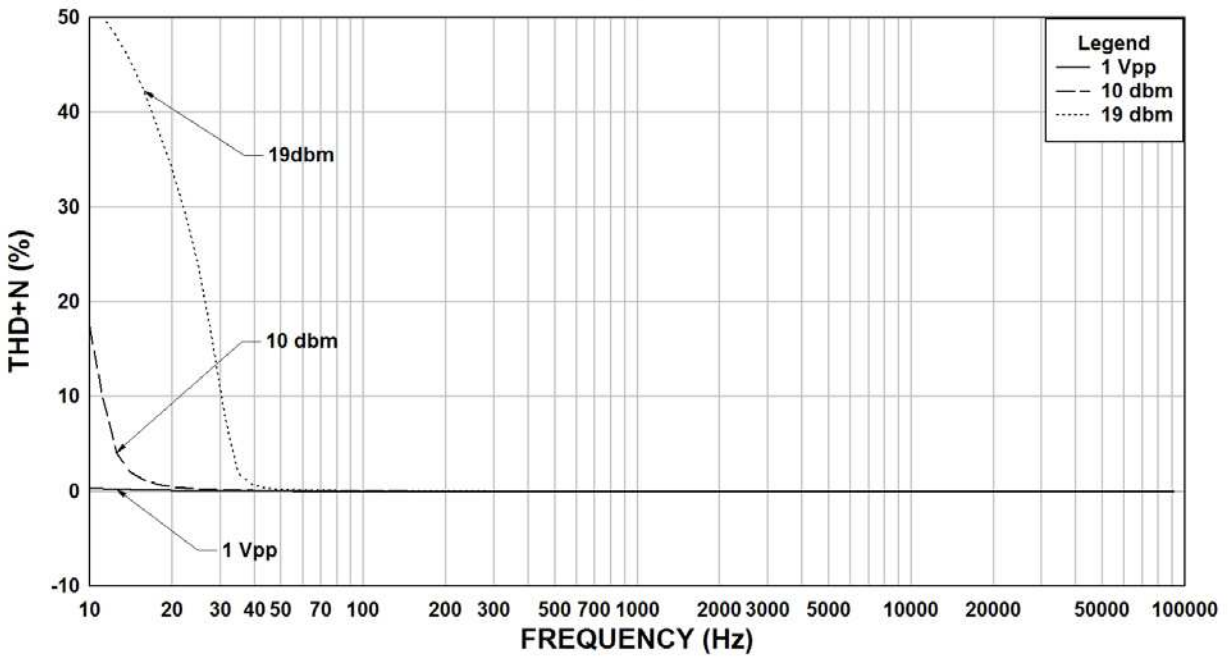
SCHEMATIC DIAGRAM



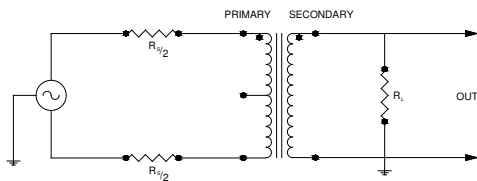
140REX Rs=600, RI=150 Frequency Response



140REX Rs=600, RI=150 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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