



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

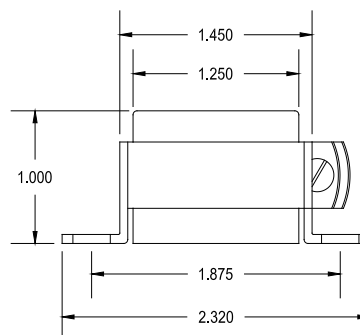
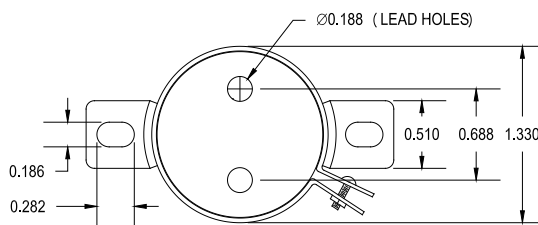


140PEX

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.



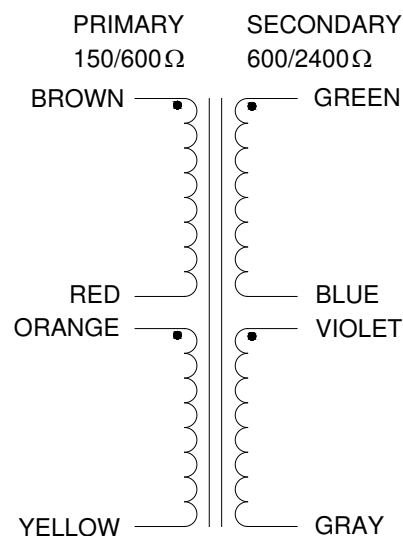
ELECTRICAL SPECIFICATIONS

Characteristic	Typical
Input Impedance	150/600 Ω
Output Impedance	600/2400 Ω
Output Power	10.0 dbm
DCR	
Primary	58.0 Ω
BRN – RED	29.0 Ω
ORG - YEL	29.0 Ω
Secondary	190.0 Ω
GRN – BLU	95.0 Ω
VIO - GRY	95.0 Ω
Inductance	@ 1.0 kHz, 1.0 V OC
Primary	14.5 H
Secondary	55.0 H
Impedance	@ 1.0 kHz, 1.0 V OC
Primary	7.0 kΩ
Secondary	26.0 kΩ
Frequency Response	±1db from 20 Hz to 20KHz
Turns ratio	1:1, 1:2, 1:4
Insertion Loss	<0.8 db
Return Loss	30 db
Longitudinal balance	-70 db
Dielectric Strength	500 Vrms

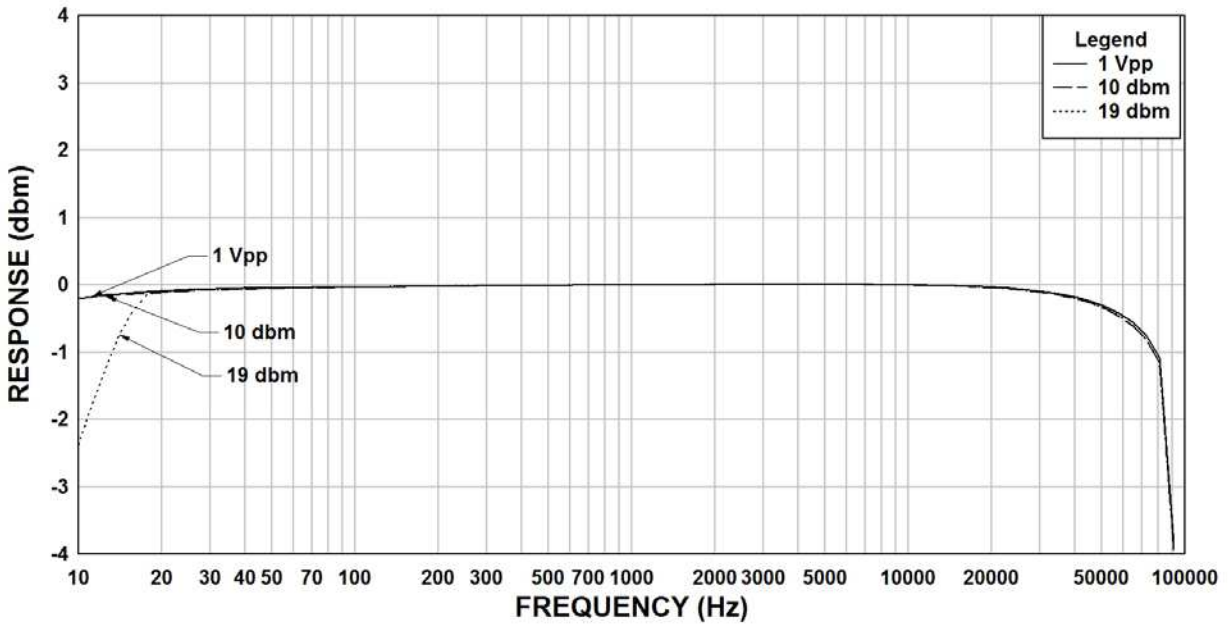


140PEX
5mW 20Hz - 20kHz
BRN-RED & ORG-YEL: 150/600 Ω
GRN-BLY & VIO-GRY: 600/2400 Ω
MADE IN CANADA

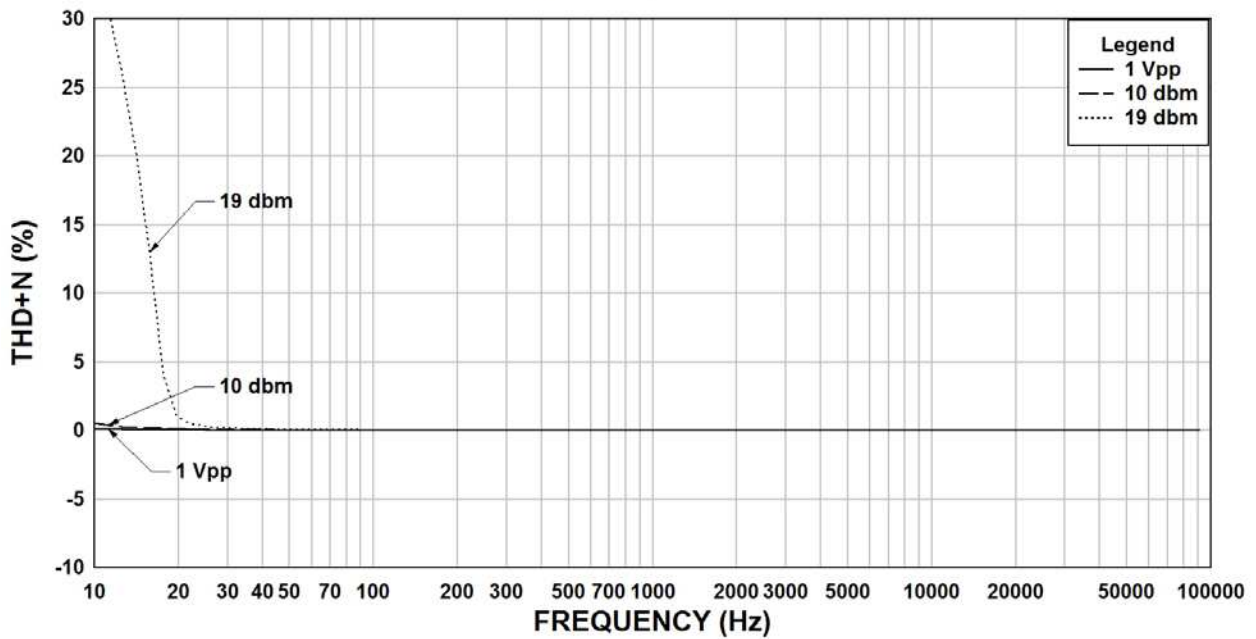
SCHEMATIC DIAGRAM



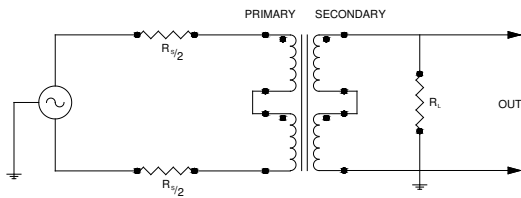
140PEX Rs=600, RI=2400 Frequency Response



140PEX Rs=600, RI=2400 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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