



Hammond Mfg. Co. Ltd., Electronics Division

www.hammondmfg.com

1750X

TUBE GUITAR AMPLIFIER - OUTPUT TRANSFORMER

- Designed for drop in replacement of original units such as Marshall¹ JCM 900 (P-TM91000)
- Constructed to look similar to original factory units (where possible).
- Material used & design specifications were kept as close as possible to the original part to preserve the stock "tone".
- Frequency response 50Hz - 12KHz (0/-1dB reference @ 1KHz)
- Distortion is less than 1% @ 50Hz

ELECTRICAL SPECIFICATIONS

Characteristics		Typical	
Input Impedance		1700 Ohms	
Output Impedance		4, 8 & 16 Ohms	
Output Power		100 W	
DCR			
PIN#4-2		16.58Ohms	
PIN#2-6		16.04Ohms	
PIN#4-6		32.58Ohms	
PIN#23-21		0.1300Ohm	
PIN#23-16		0.1700Ohm	
PIN#23-14		0.2300Ohm	
Inductance		Impedance @ 60Hz, 10 V OC	
PIN#4-6		14.54H	5.61K Ohm
Leakage Inductance			@ 60Hz, 10 V SC
Primary Blue-Red		2.66 mH	
Dielectric Strength		2500VRMS	
Temperature Range		-40 to 105 degC	

TEST CONDITIONS

Measurement instruments:

D scope series iii audio analyzer

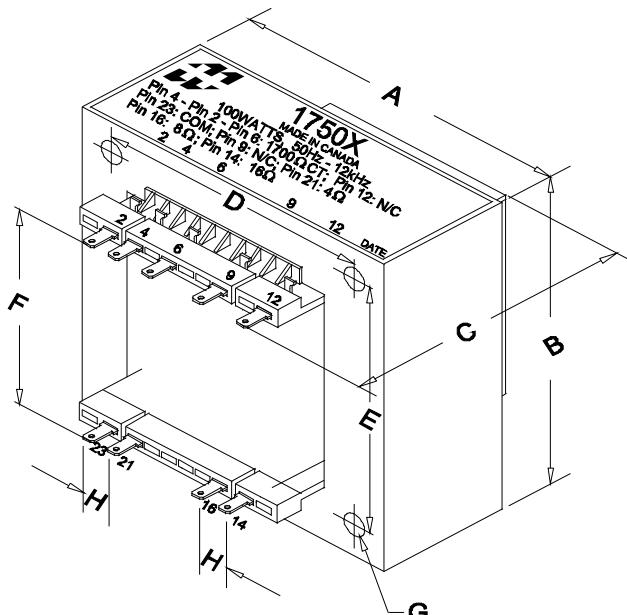
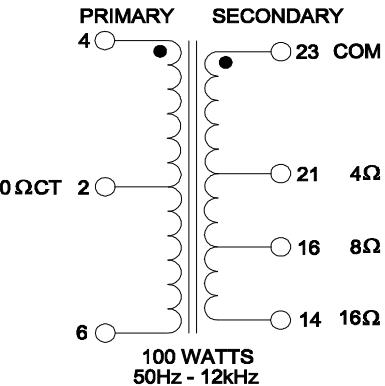
Keithley 2010 DVM

Wayne Kerr 3255B with a 3265B

Hp4192a impedance analyzer

* All graphs input level 27dBu @1.0KHz reference.

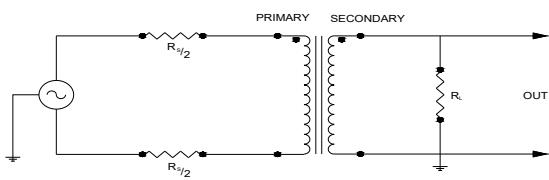
**The results are typical and are subject to normal manufacturing and electrical tolerances.



Dimensions

A	3.750" \pm 0.063	D	3.125" \pm 0.063	G	0.219" \pm 0.015
B	3.125" \pm 0.063	E	2.500" \pm 0.063	H	0.394" \pm 0.031
C	4.010" \pm 0.125	F	2.268" \pm 0.063		

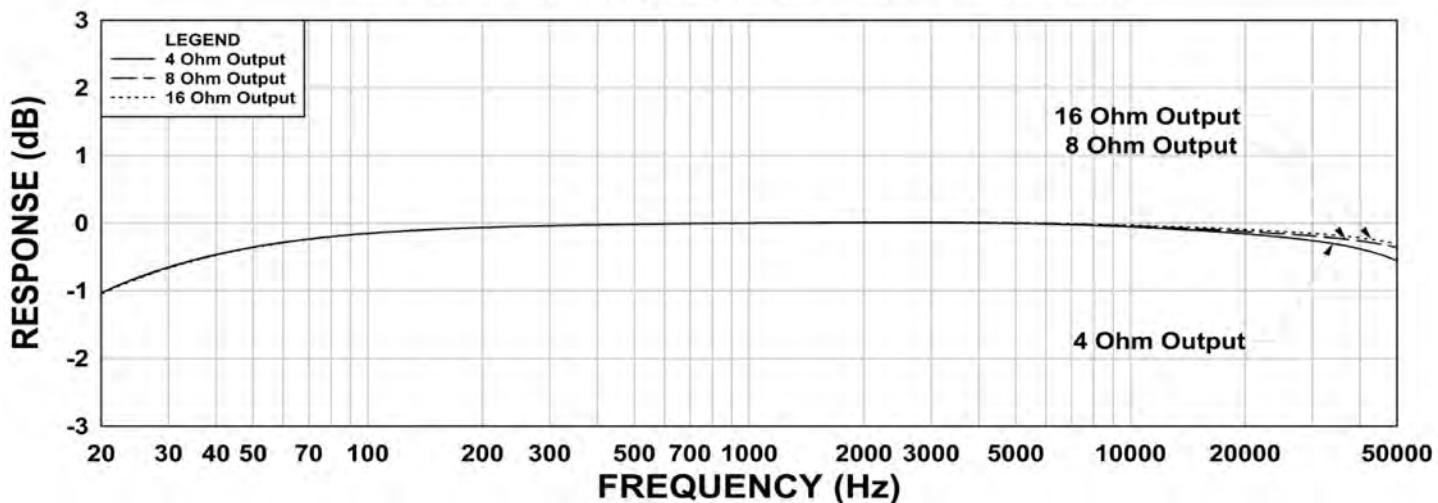
TYPICAL TEST CIRCUIT



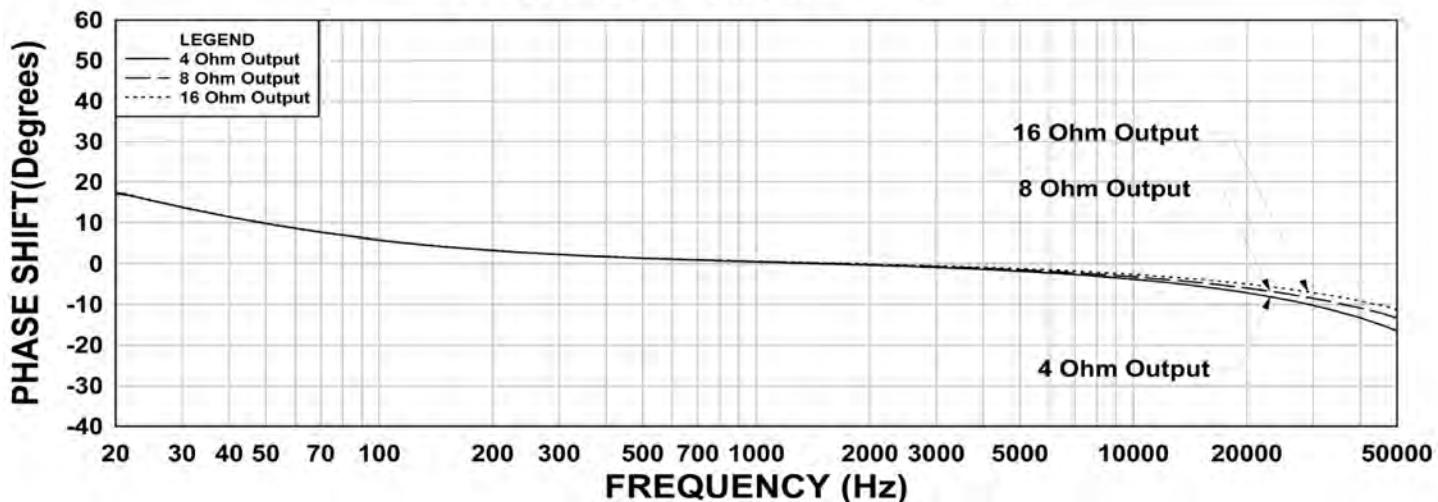
¹DISCLAIMER: Hammond Mfg. is not affiliated with Fender Musical Instruments Corp., Marshall Amplification, Yorkville/Traynor, AMPEG or VOX Amplification companies.

Amplifier model names are trademarks of the amplifier companies and are just listed here for reference purpose only.

1750X Frequency Response RS = 1700 Ohms



1750X Phase Shift RS = 1700 Ohms



1750X THD+N RS = 1700 Ohms

