HAMMOND MANUFACTURING T.M.

Hammond Mfg. Co. Ltd., Electronics Division
www.hammfg.com

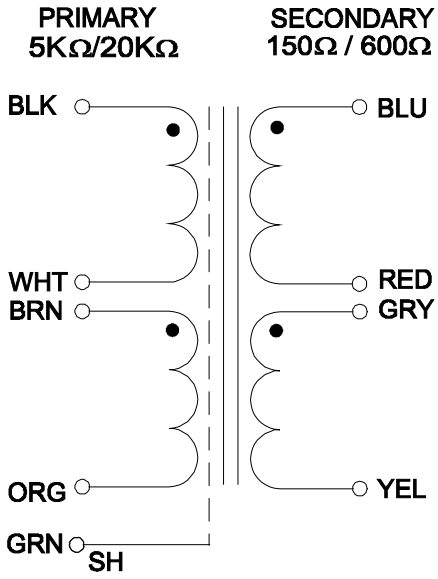
850A Series *Audio Broadcast Quality Transformers*

850LA

Features:

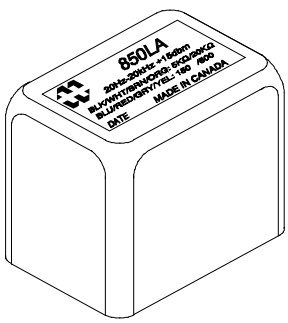
- Deep-drawn steel case with tin plated finish, with two convenient 6-32 mounting studs with mounting hardware.
- Sealed case and epoxy-potted transformer for stable characteristics and long life.
- Wide frequency response ± 0.7dB max. from 20Hz to 20KHz.
- Maximum power level +15 dBm. with specified characteristics, or higher levels with reduced low frequency performance.
- Distortion is <1% @ 20 Hz under full power.
- Electrostatic shield between primary & secondary connected to the green lead.
- Humbucking construction
- Balanced split windings on primary & secondary for circuit versatility. Primary may be used as a secondary and vice versa for impedance matching.
- Includes mounting hardware. Shipping weight 0.4 lb. (0.18 kg).
- Lead length: minimum 4"

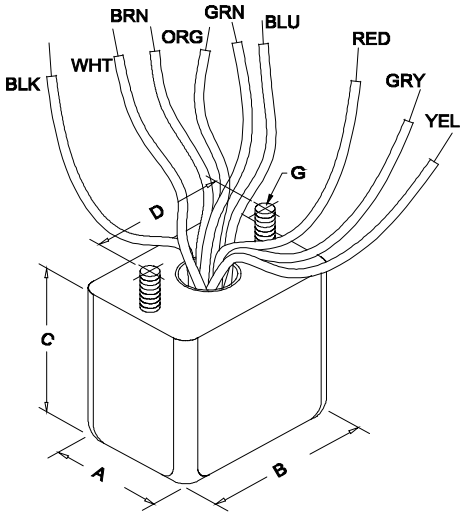
ELECTRICAL SPECIFICATIONS		
Characteristics	**Typical**	
PRI Impedance	5K / 20K Ohms	
SEC Impedance	150 / 600 Ohms	
Output Power	+15dBm (31.623mW)	
DCR BLK – WHT = BRN – ORG	760 Ohms ±20%	
DCR BLU – RED = GRY – YEL	30.5 Ohms ±20%	
Dielectric Strength	250V RMS	
PRI Inductance | Impedance	1V @ 1KHz OC	
BLK&BRN joined – WHT&ORG joined	13.15H	109K Ohms
BLK – ORG (WHT&BRN joined)	44.0H	290K Ohms
PRI Leakage Inductance	1V @ 1KHz SC	
BLK&BRN joint – WHT&ORG joined	15.64mH	
BLK – ORG (WHT&BRN joined)	63.50mH	



DIMENSIONAL DETAILS:

DIMENSIONS:	
A	1.20” ±0.063
B	1.70” ±0.063
C	1.65” MAX.
D	1.32” ±0.063
G	6-32 mounting studs

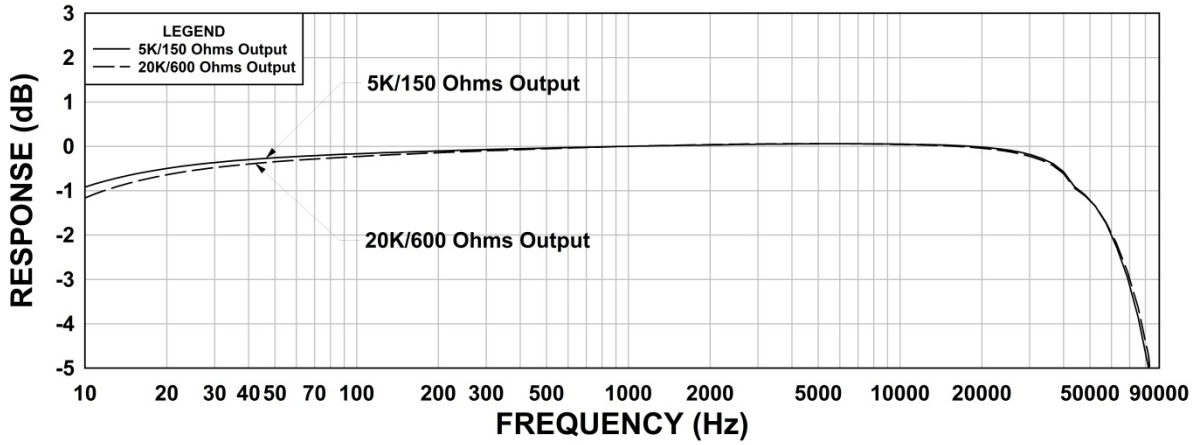




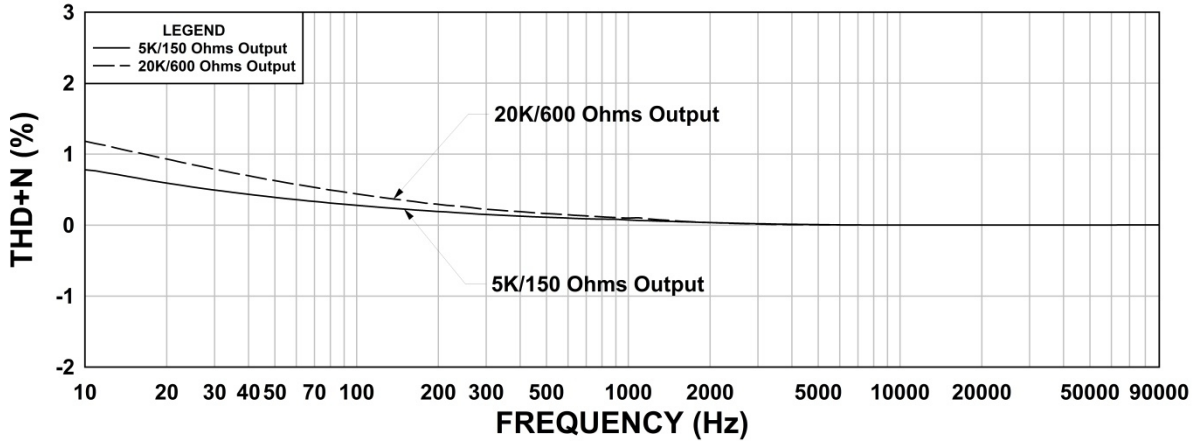
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PERFORMANCE GRAPHS:

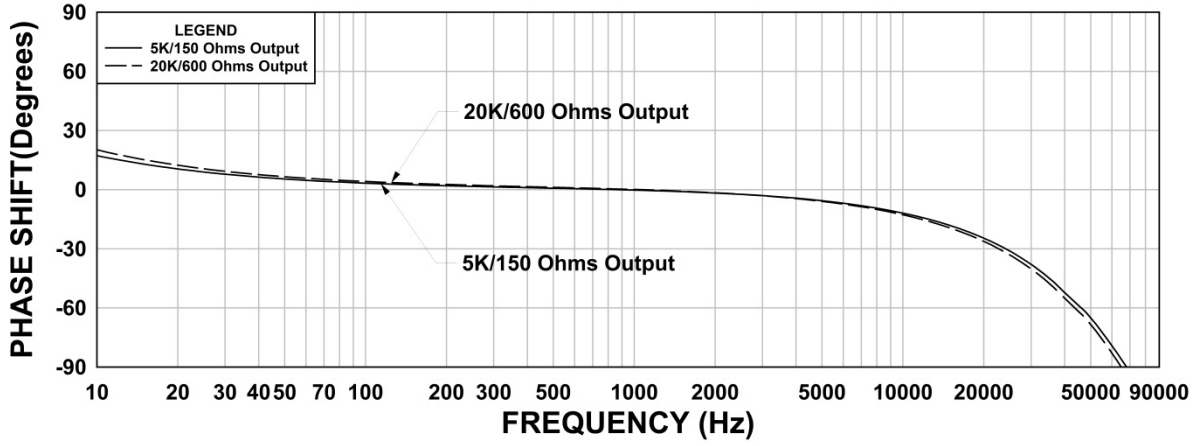
850LA Frequency Response
15dBu @ 1KHz Reference



850LA THD+N
15dBu @ 1KHz Reference



850LA Phase Shift
15dBu @ 1KHz Reference



MEASUREMENT INSTRUMENTS

- dScope Series III Audio Analyzer
- Wayne Kerr 3255B with a 3265B Inductance Analyzer
- HP 4192a LF Impedance Analyzer
- Keithley 2010 DVM

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

TEST CONDITIONS

