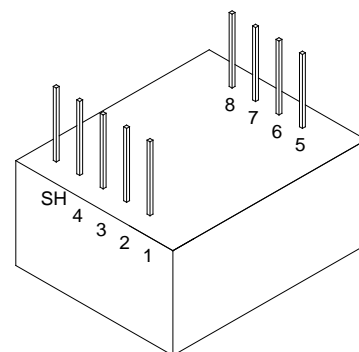




560E

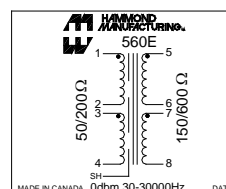
P.C. BOARD MOUNT - EPOXY POTTED AUDIO TRANSFORMER

- Rugged black epoxy potted case with 9 pin connections (0.025" square by 0.5" long)
- Higher signal levels possible with reduced low frequency performance
- Electrostatic shield between primary & secondary connected to core and pin "SH"
- Humbucking construction
- Balanced split windings on primary & secondary for circuit versatility
- Primaries and secondaries can be reversed for impedance matching
- Overall dimensions 1.64" x 1.33" x 0.80" high max
- Shipping weight 4 oz



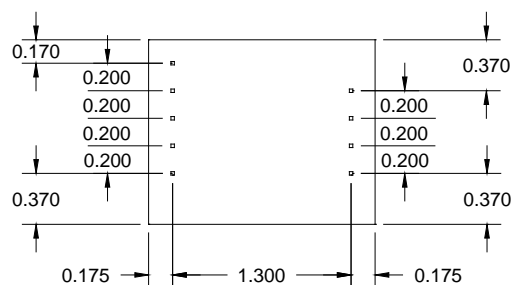
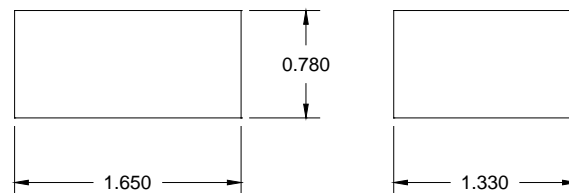
Power level: 0dbm @ 30 Hz. to 30 KHz.

- Freq. range @ +0 dbm is 30 Hz. to 30 KHz. +/- 0.5db typ
- Freq. range @ +10 dbm is 30 Hz. to 30 KHz. +/- 1.0db typ
- Freq. range @ +27 dbm is 30 Hz. to 30 KHz. +/- 1.0db typ
- Freq. measurements with no D.C. saturation.

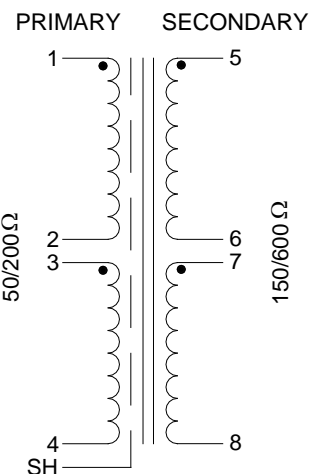


ELECTRICAL SPECIFICATIONS

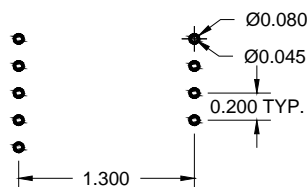
Characteristic	Typical
Input Impedance	50/200 Ω
Output Impedance	150/600 Ω
Output Power	0 dbm
DCR	
Primary 1-4	2.36 Ω
Secondary 5-8	14.10 Ω
Inductance	@ 1.0 kHz, 1.0 V OC
Primary	0.305 H
Secondary	0.824 H
Leakage Inductance	0.212 mH
Impedance	@ 1.0 kHz, 1.0 V OC
Primary	3.302 KΩ
Secondary	9.153 KΩ
Frequency Response	±1.0db from 30Hz to 30KHz
Turns ratio	1.736:1
Dielectric Strength	500 Vrms
Temperature Range	-40 To 105°C**



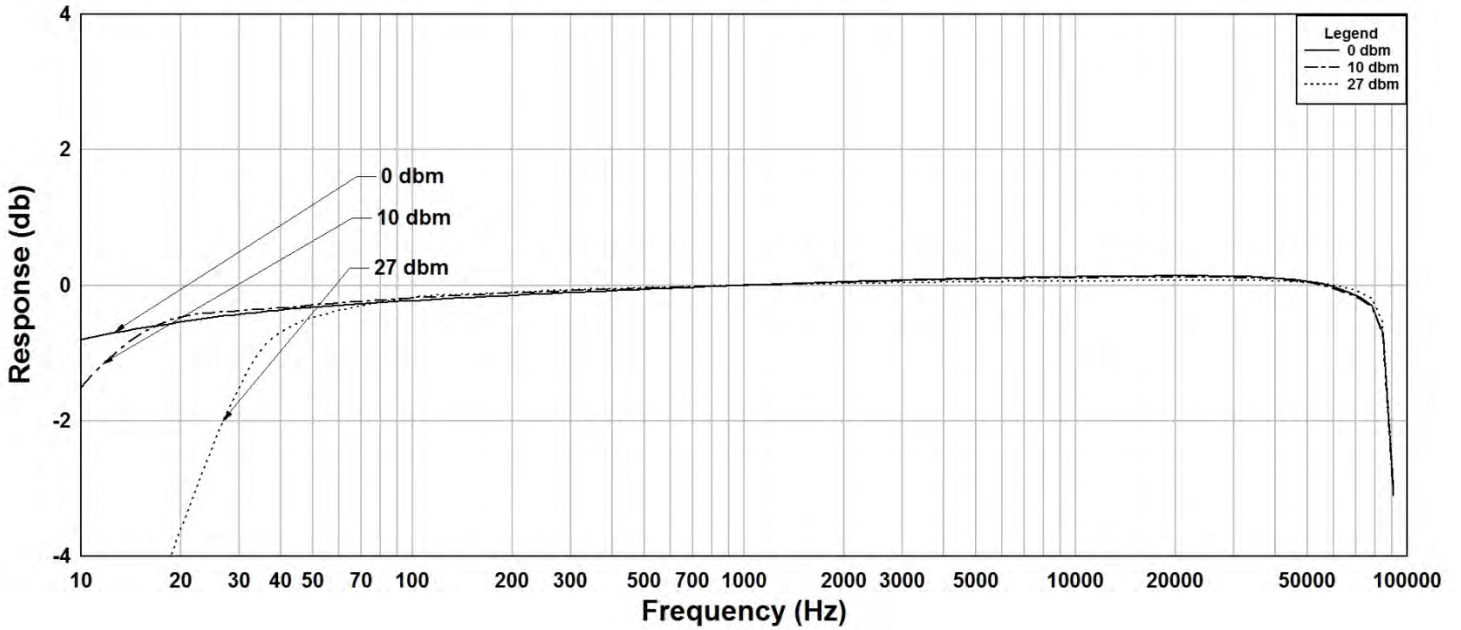
SCHEMATIC DIAGRAM



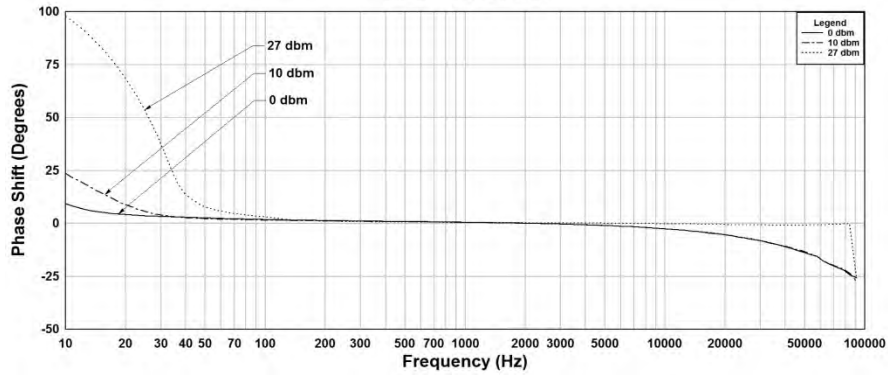
PCB LAYOUT



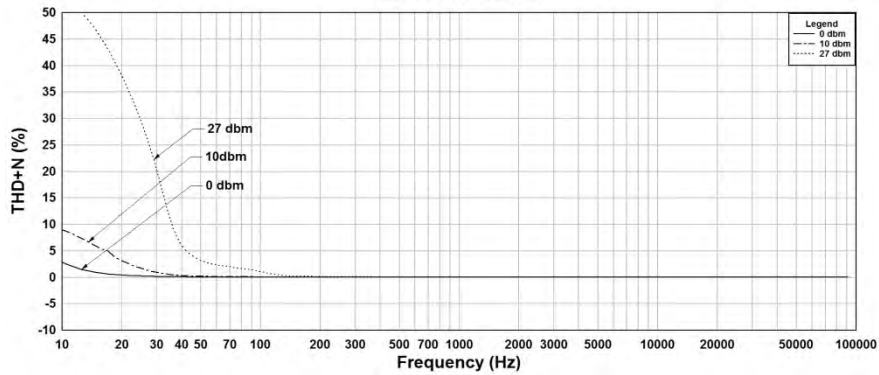
560E Rs=200 RI=600 Frequency Response Graph
Winding Series Connected



560E Rs=200 RI=600 Phase Shift
Winding Series Connected



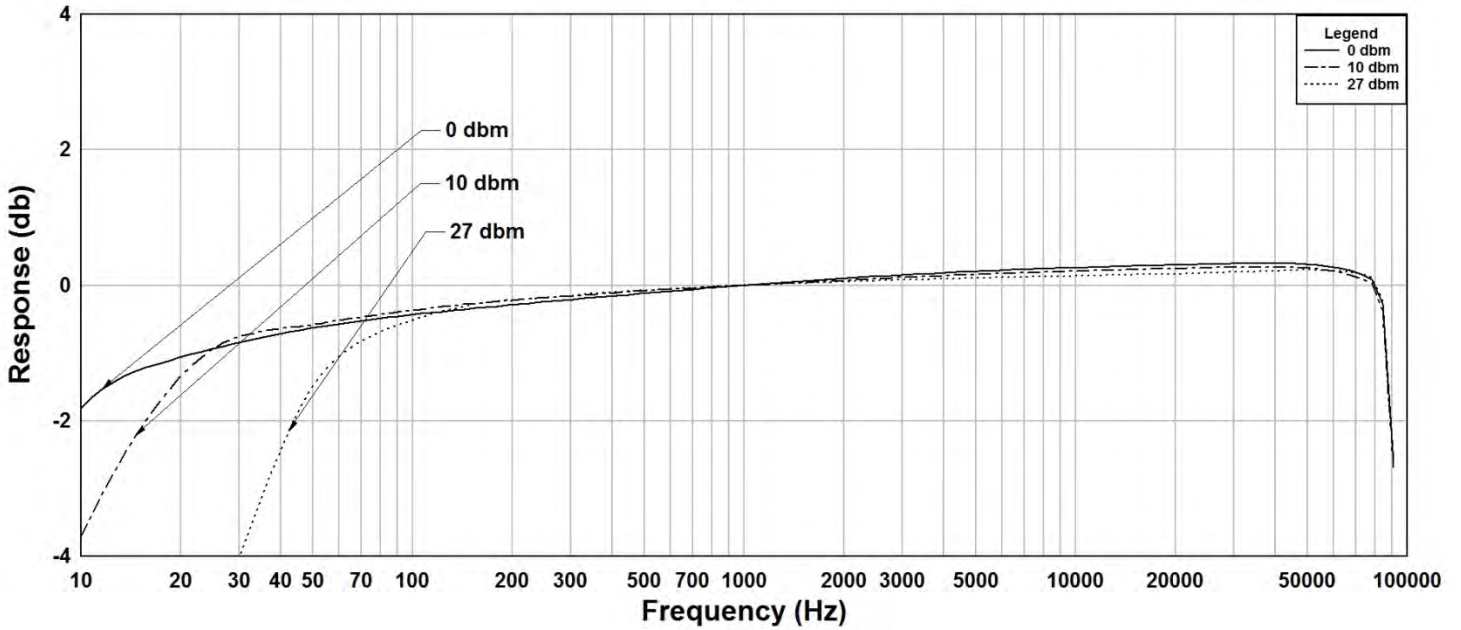
560E Rs=200 RI=600 THD+N
Winding Series Connected



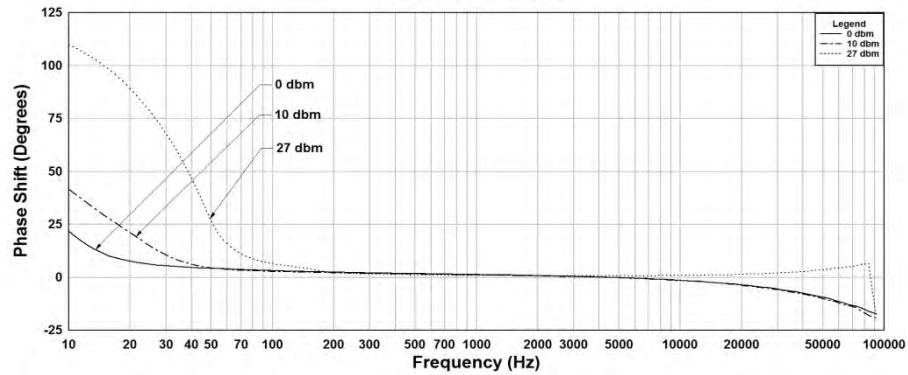
**The epoxy that is used to cast these parts has a workable temperature range of -40°C to +105°C Under a normal rate of change, this does not include thermal shock. Variations in the transformer materials and environmental conditions may reduce the workable temperature range.

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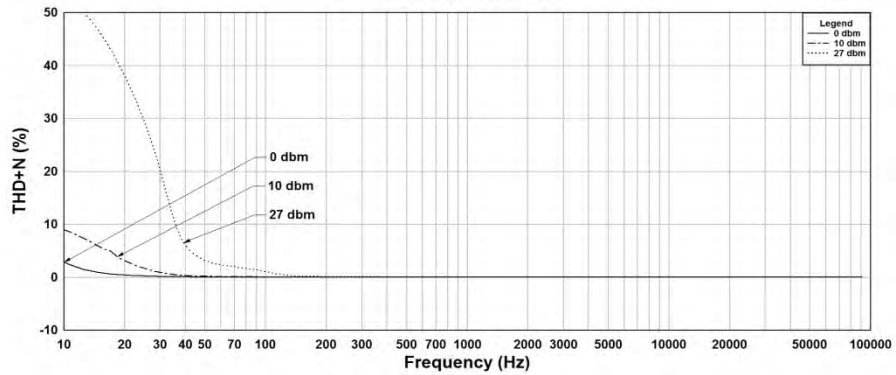
560E Rs=200 RI=200 Frequency Response
Winding Parallel Connected



560E Rs=200 RI=600 Phase Shift
Winding Parallel Connected



560E Rs=200 RI=600 THD+N
Winding Parallel Connected



TYPICAL TEST CIRCUIT

Measurement instruments
Hp4192a impedance analyzer
Hp3456a DVM
Keithley 2002 DVM
D scope series iii audio analyzer

