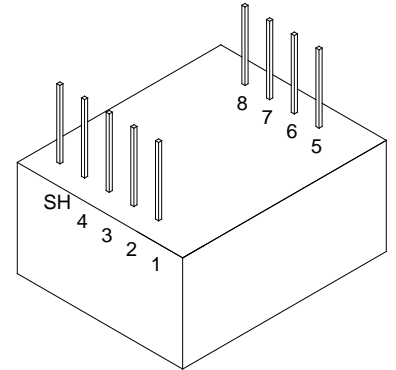


560N

P.C. BOARD MOUNT - EPOXY POTTED AUDIO TRANSFORMER

- Rugged black epoxy potted case with 9 pin connections (0.25" 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 0.85" high max
- Shipping weight 4 oz



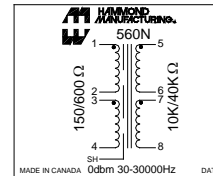
Power level: 0dbm @ 30 Hz. to 30 KHz.

-Freq. range @ +0 dbm is 30 Hz. to 30 KHz. +/- 1.0db max

-Freq. range @ +10 dbm is 30 Hz. to 30 KHz.

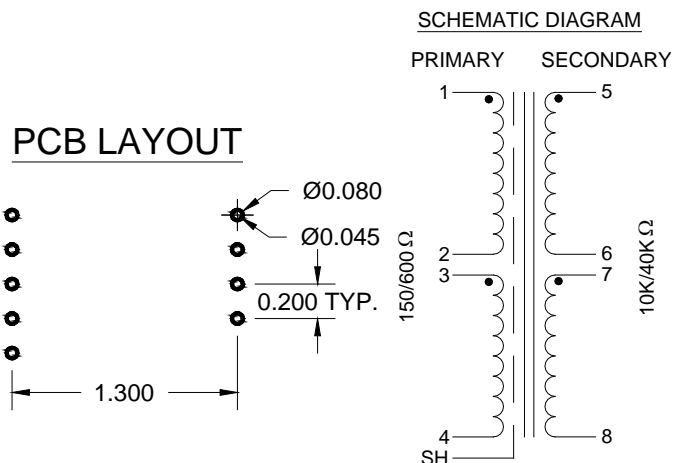
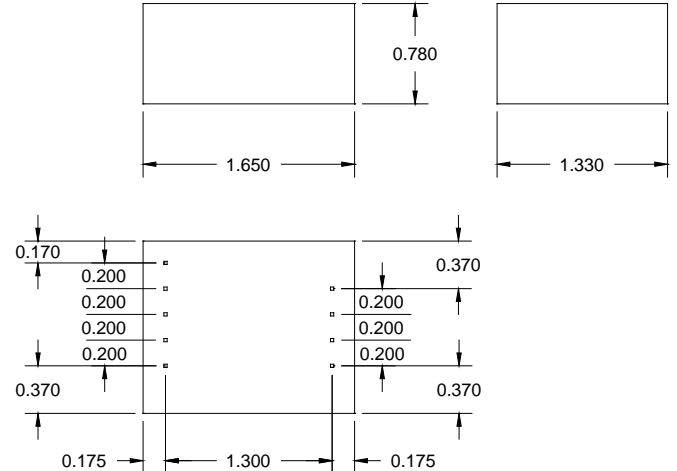
-Freq. range @ +27 dbm is 30 Hz. to 30 KHz.

-Freq. measurements with no D.C. saturation.

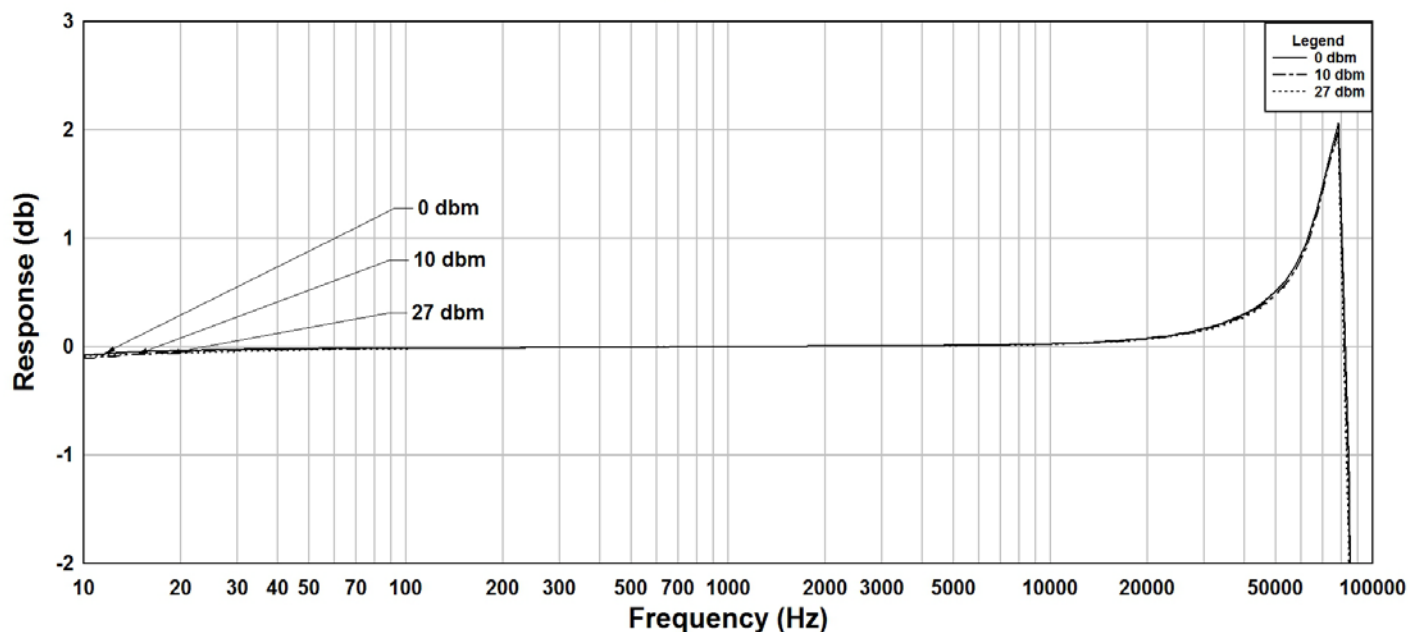


ELECTRICAL SPECIFICATIONS

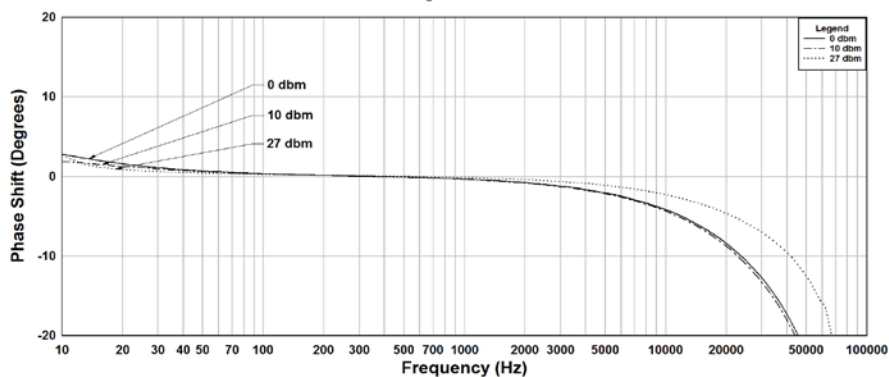
Characteristic	Typical
Input Impedance	150/600 Ω
Output Impedance	10/40 K Ω
Output Power	0 dbm
DCR	
Primary 1-4	21.72 Ω
Secondary 5-8	496.4 Ω
Inductance	@ 1.0 kHz, 1.0 V OC
Primary	0.733 H
Secondary	48.90 H
Leakage Inductance	0.614 mH
Impedance	@ 1.0 kHz, 1.0 V OC
Primary	10.95 K Ω
Secondary	642.0 K Ω
Frequency Response	± 1.0 db from 30Hz to 30KHz
Turns ratio	8.185:1
Dielectric Strength	500 Vrms
Temperature Range	-40 To 105°C**



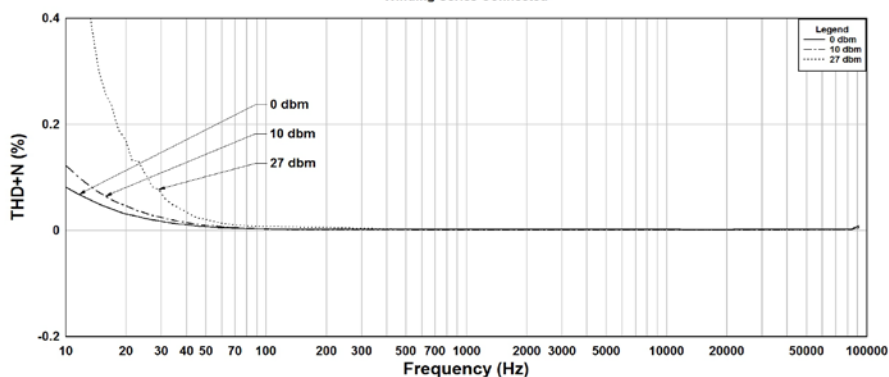
560N Rs=600 RI=40K Frequency Response
Winding Series Connected



560N Rs=600 RI=40K Phase Shift
Winding Series Connected



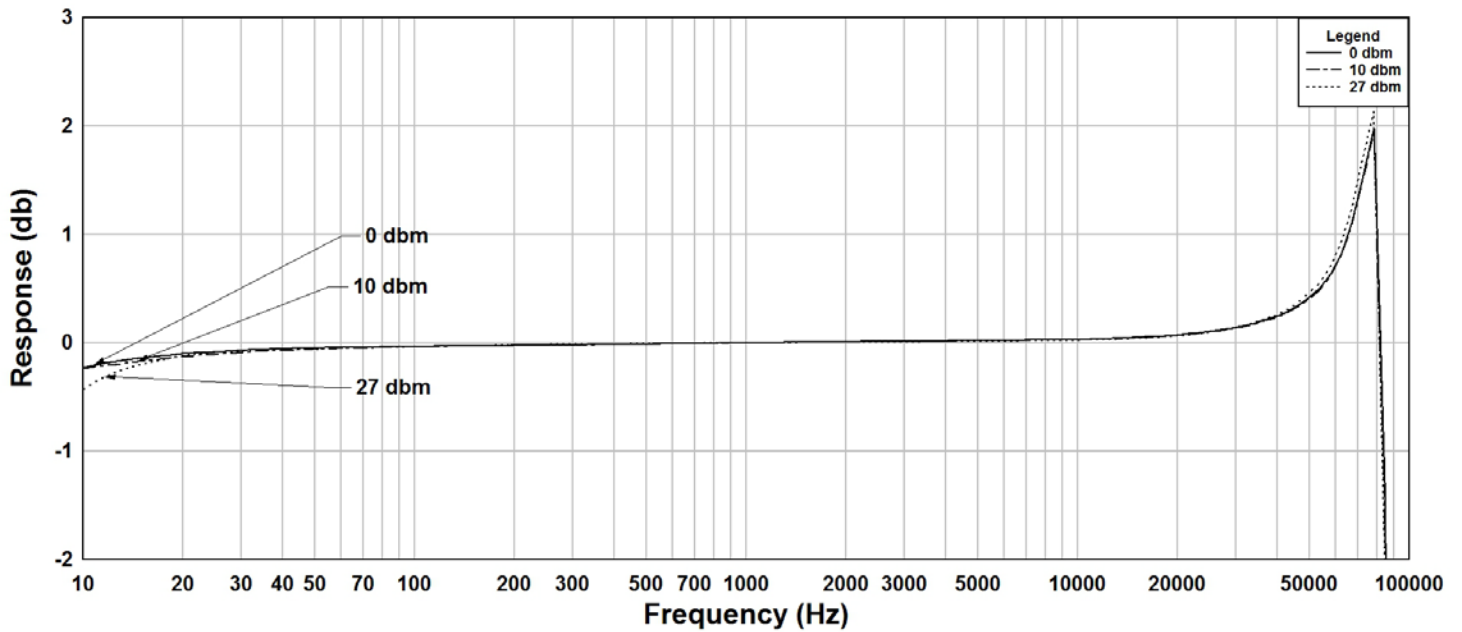
560N Rs=600 RI=40K THD+N
Winding Series Connected



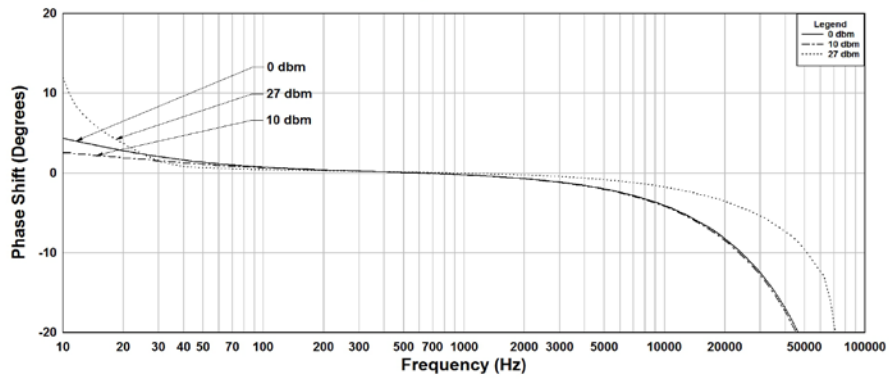
**The epoxy that is used to cast these parts has a workable temperature range of -40°C to +105°C Under a normal rate of change, this does not include thermal shock. Variations in the transformer materials and environmental conditions may reduce the workable temperature range.

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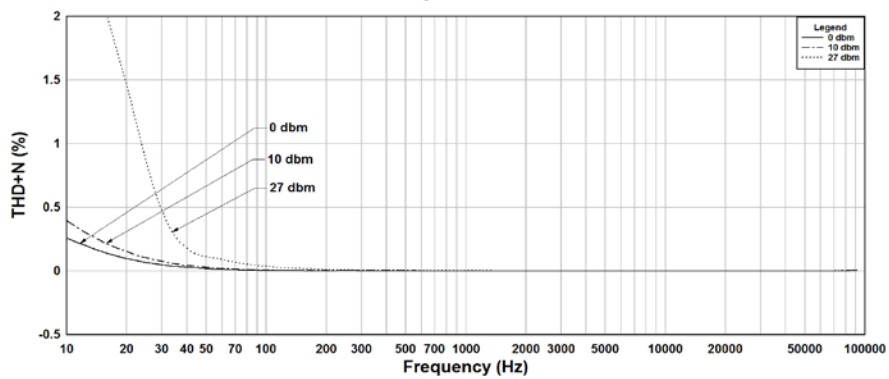
560N Rs=150 RI=10K Frequency Response Winding Parallel Connected



560N Rs=150 RI=10K Phase Shift Winding Parallel Connected



560N Rs=150 RI=10K THD+N Winding Parallel Connected



TYPICAL TEST CIRCUIT

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

