



109F

MINIATURE EPOXY POTTED AUDIO TRANSFORMER

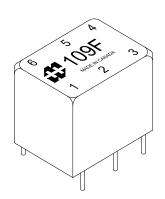
- · Audio input, line matching and output transformers
- Epoxy potted in an attractive molded case, Pin type, P.C. board mount, (min. 0.187" length)
- Rugged epoxy potted construction produces a completely sealed unit withstanding severe environmental conditions.
- In some models where no center tap is present (on the secondary), pin 5 is omitted.
- Secondary may be used as primary and primary as secondary.
- Will withstand soldering for 10 sec. @ 260 degrees C. ambient temp. 85 degrees C max.

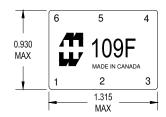
Power level: 2.0W @ 300 Hz. to 50 Khz.

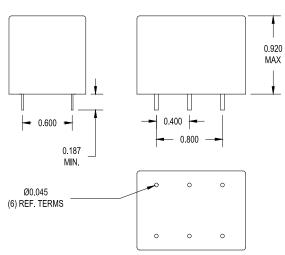
- -Freq. range @ +0 dbm is 300 Hz. to 50 Khz. +/- 1.5db
- -Freq. range @ +10 dbm is 300 Hz. to 50 Khz. +/- 1.5db
- -Freq. range @ +27 dbm is 300 Hz. to 50 Khz. +/- 1.5db
- -Freq. measurements with no D.C. saturation.

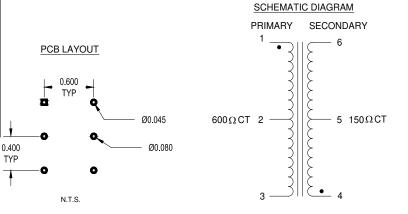
ELECTRICAL SPECIFICATIONS

<u>Typical</u>
600 ΩCT
150 ΩCT
2 Watts
$36.65 \Omega (18.33\Omega/18.33\Omega)$
11.64 Ω (5.82 Ω /5.82 Ω)
@ 1.0 kHz, 1.0 V OC
0.57 H
147.4 mH
3.00 mH
@ 1.0 kHz, 1.0 V OC
3.690 KΩ
$968.9~\Omega$
±1.5db from 300Hz to 50KHz
6mA Max.
2:1
100 Vrms
-40 To 105°C**

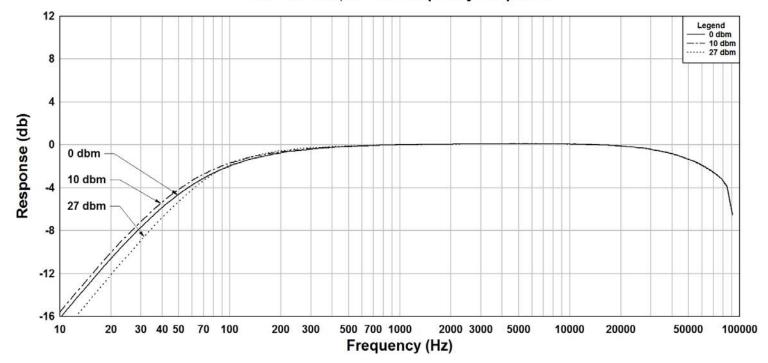


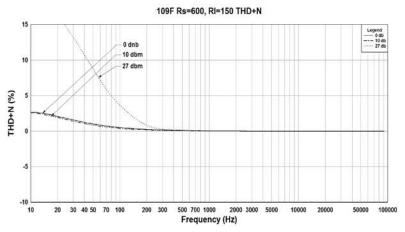


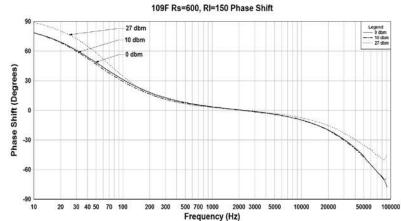




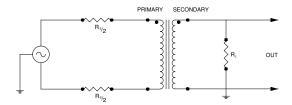
109F Rs=600, RI=150 Frequency Response







TYPICAL TEST CIRCUIT



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

**The epoxy that is used to cast these parts has a workable temperature range of -40° C to $+105^{\circ}$ 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.

This drawing and the information in it is the property of Hammond Manufacturing. It may not be reproduced, transmitted or used in any manner whatsoever without the written permission of Hammond Manufacturing. Data subject to change without notice.