

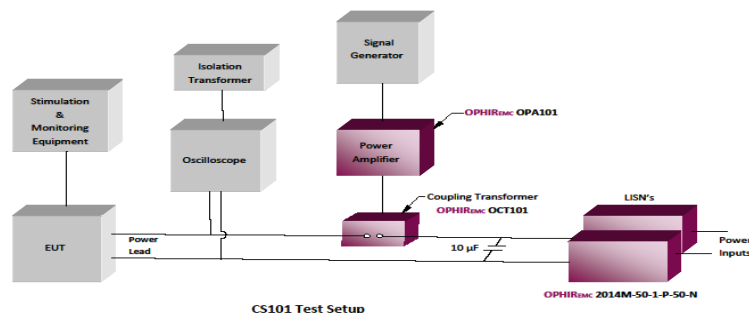


## Model OPA101 Audio Power Amplifier

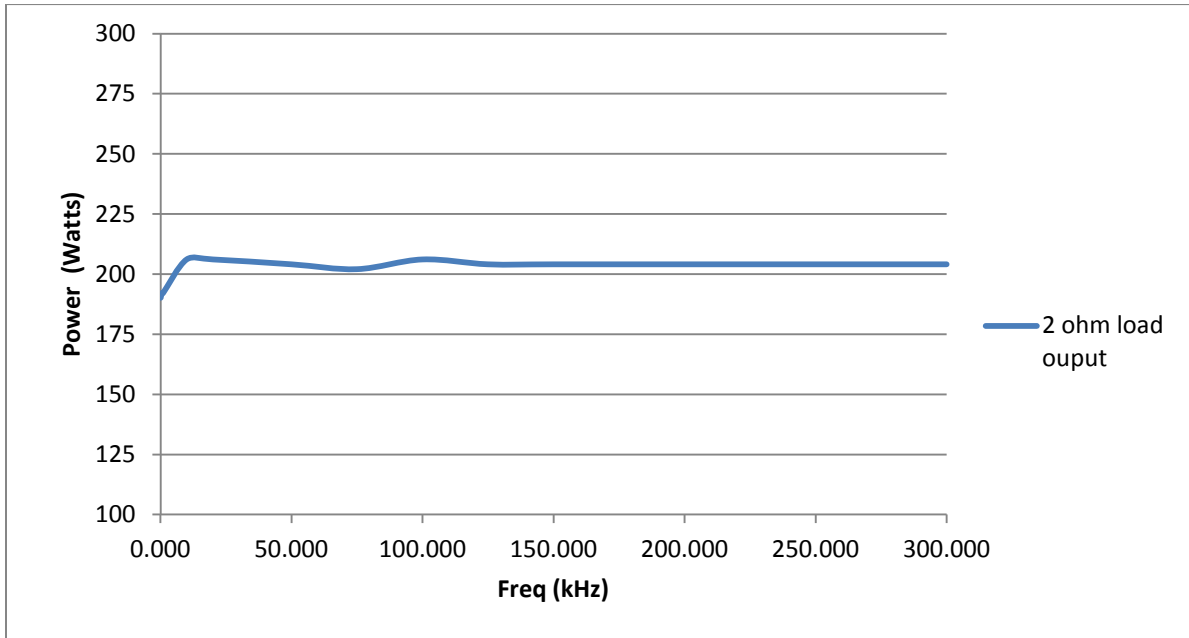
OPHIR<sub>EMC</sub> Model OPA101 Audio Power Amplifier is designed for conducted susceptibility testing as specified in EMC standard Mil-Std-461, RTCA DO-160 and additional EMC specifications. The Audio Amplifier is used in conjunction with OPHIR<sub>EMC</sub> Model OCT101 Coupling Transformer. The Model OPA101 provides a DC to 300 kHz bandwidth and up to 200 watts power (225 watts into 1 ohm). Amplifier has protection circuitry from input overloads, improper outputs (including shorted and improper loads), over-temperature, and over-currents. There is a Digital Voltmeter display on the front panel along with LED's displaying ready, over-temperature, and over load conditions. Forced air cooling. Designed to stand alone or be rack mounted. 0.5 ohm data on chart taken with OTC101 Coupling Transformer attached.

### Specifications:

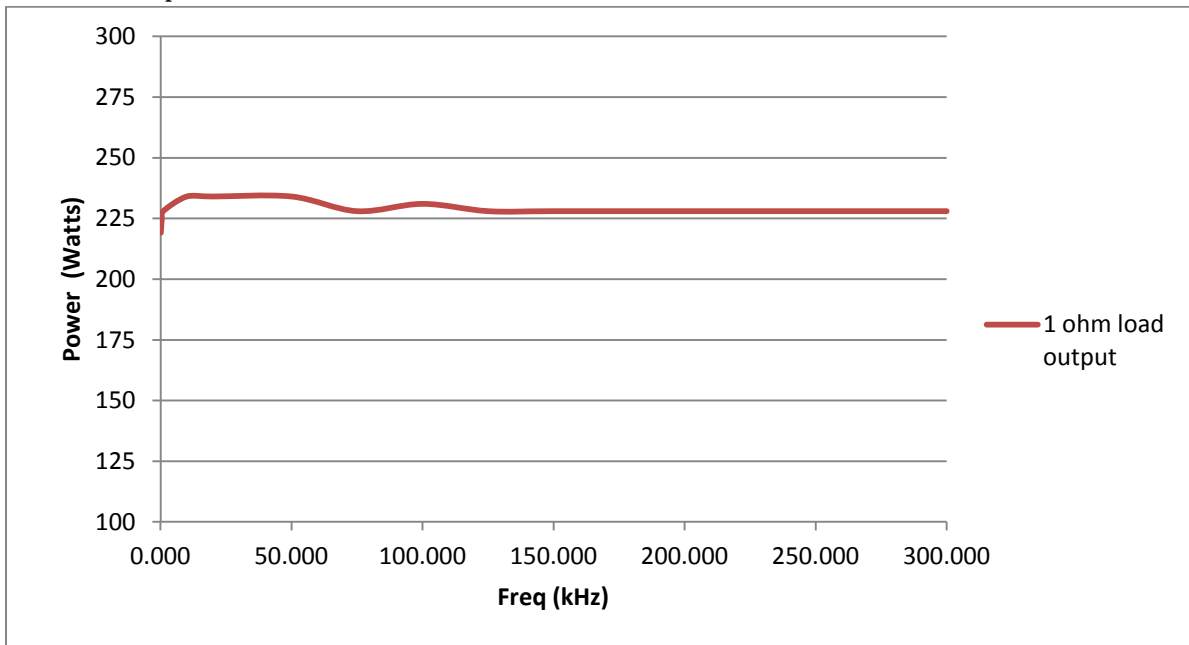
Frequency Range:	DC to 300 kHz
Output Power:	200 Watts @ 1kHz
AC Input Power:	115/230 V, 50/60 Hz
Input Signal:	+0dBm Max.
Input Impedance:	50 Ohms
Output Impedance:	1.0 ohm, 2.0 Ohms
Output Voltage:	>10 V RMS, 0-150 kHz with +0dBm input
Distortion:	≤ 0.3%
DC Drift:	>±1.5 mV (after 30 minutes of operation)
Phase Response:	±5 degrees
Residual Noise:	300 μV
Signal-to Noise Ratio:	-100 dB
Gain Linearity:	0.15%
Common Mode Rejection:	-60dB
Input Connector:	Type BNC
Output Connections:	Standard 3/4" Binding Post (or barrier strip)
Size:	131mm (5.2") x 465mm (18.3") x 398mm (15.7")
Weight:	55 pounds



2 Ohm Load Output



1 Ohm Load Output



Revised 01/05/2017