

Features

- Frequency Range: 30 Hz to 150 kHz
- Minimum Output Power with <8% Distortion:
 - 150 Watts with 1 & 2 ohm load
 - 100 Watts with 4 ohm load
 - 50 Watts with 8 ohm load
- Protection Circuitry from Input Overload, Over-Temperature & Over-Current
- Three-Year Warranty

Description

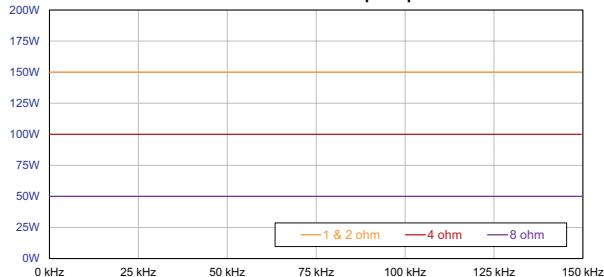
The Com-Power ARI-150K Power Amplifier is specifically geared for conducted and radiated susceptibility testing such as that described in MIL-STD-461 (CS101 & RS101) and RTCA DO-160 (Section 18), in addition to other standards.

The ARI-150K operates from 30 Hz to 150 kHz. Its output power capabilities exceed 150 Watts into 1 ohm or 2 ohm loads; 100 Watts into 4 ohms; and 50 Watts into 8 ohms (refer to graphs below for minimum output specifications).

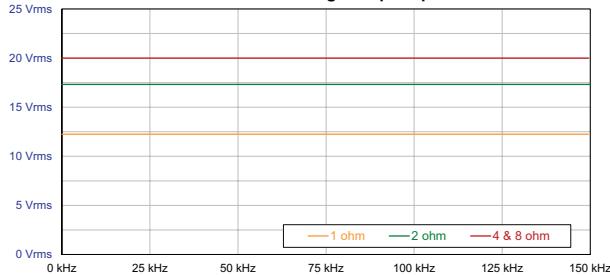
The amplifier is equipped with protection circuitry to avoid damage in the case of input overload, improper output connections (shorted or improper loads), over-temperature as well as over-current conditions.

The digital front panel display indicates the internal temperature of the amplifier as well as the output current. There are also LED indicators for over-temperature and over-current fault conditions.

ARI-150K Minimum Power Output Specifications



ARI-150K Minimum Voltage Output Specifications



Specifications

GENERAL	
Products Description	Power Amplifier
Application	Conducted/Radiated Susceptibility Testing
Standards	MIL-STD-461, RTCA DO-160, etc.
Frequency Range	30 Hz to 150 kHz
Output Power	[see 'ARI-150K Min. Power Output Specifications' graph]
Input Impedance	10 kΩ (nominal)
Output Impedance	1.4Ω (nominal)
Output Voltage	[see 'ARI-150K Min. Voltage Output Specifications' graph]
Distortion	≤8%
DC Drift	< ±1.5 mV (after 30 minutes of operation)
Phase Response	±5 degrees (up to 75 kHz)
ELECTRICAL	
AC Input Power	100-250 Volts AC (50/60 Hz) 1000 VA (maximum)
INPUT/OUTPUT CONNECTORS	
Input Connector	BNC (female)
Output Connectors	(2) x 4 mm Banana Jack Binding Posts
AC Input Connector	IEC C13 Receptacle
ENVIRONMENTAL	
Operating Temperature	40° F to 104° F (5° C to 40° C)
Cooling	Forced Air
MECHANICAL	
Dimensions (H) x (W) x (D)	6.125" x 19" x 23.25" (15.9 cm x 48.3 cm x 59 cm)
Rack Mount Dimensions (top/bottom feet removed, not including front handles)	(3U) 5.25" x 19" x 22.25" (13.34 cm x 48.3 cm x 56.5 cm)

All values are typical, unless specified.
All specifications are subject to change without notice.