

Features

- Frequency Range: 30 Hz to 300 kHz Up to 150 Watts Output Power into 1 or 2 ohms with less than 8% distortion
- Protection Circuitry from Over-Temperature & Over-Current
- Three-Year Warranty

Description

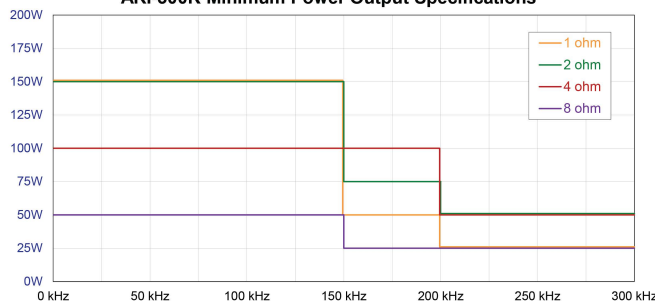
The Com-Power ARI-300K Power Amplifier is specifically geared for conducted and radiated susceptibility testing such as that described in MIL-STD-461 (CS101 & RS101) and RTCA DO-160 (Section 18), in addition to other standards.

The ARI-300K operates from 30 Hz to 300 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).

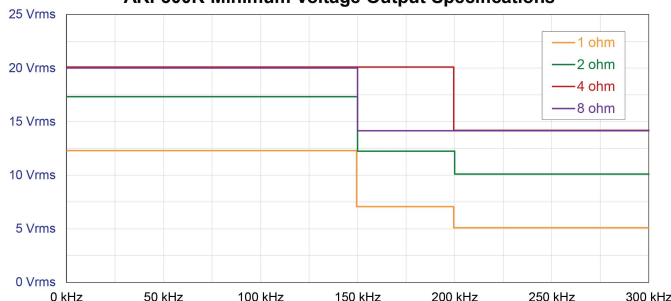
The amplifier is equipped with protection circuitry to avoid damage in the case of over-temperature as well as over-current conditions.

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

ARI-300K Minimum Power Output Specifications



ARI-300K 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 300 kHz
Output Power	[see 'ARI-300K Min. Power Output Specifications' graph]
Input Impedance	10 kΩ (nominal)
Output Impedance	6.25 mΩ (nominal)
Output Voltage	[see 'ARI-300K 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.