



Internal 70.7/100V constant voltage transformers (T-Version only)

Features

- **Dual Channel / Four Channels / Bridgeable, 4 Channels in 1 RU (PA 425, PA 450)**
- **Convection Cooling**
- **Short-circuit Protection**
- **115/230V 50/60Hz Operation**
- **Power Band Limited**
- **High Impedance, Bridging, Electronic, Balanced Inputs**
- **Channel Clipping, LED Indicators**
- **LED Signal Presence Indicators**
- **Removable, screw-clamp Connectors**
- **Lightweight, compact Design**
- **Rugged, all metal Chassis for maximum RFI and EMI Protection**

Description

The IRP PA-Series Power Amplifiers are comprised of building-block modules. Each power amplifier module is constructed as a ½ of 1-RU device. Consequently, each dual channel (bridgeable to one mono channel) amplifier occupies only ½ of 1-RU. Two such modules mounted in a single (1.75 x 19 inch) rack space can provide four (4) audio output channels, 2 monaural (bridged) outputs or combination thereof. The 'T' version of these power amplifiers incorporate a built-in, internal mounted, toroidal-wound constant voltage output transformer capable of driving either a 70.7 or 100 volt transmission line. The building-block concept of the IRP PA-Series amplifiers provides the capability, with minimum wiring configuration, to drive selected output channels at constant voltage while simultaneously operating other channel(s) at voice coil impedances.

The models PA 225 and PA 250 are two-channel versions, the models PA 425 and PA 450 are four-channel versions.

Specifications:

Model	Number of channels	Power per channel 4 Ohm	Power per channel 8 Ohm	Power Bridge Mode two channels	Power 70.7 / 100V per channel (T-Version only)
PA 225	2	25 W	18 W	50 W	25 W
PA 250	2	50 W	35 W	100 W	50 W
PA 425	4	25 W	18 W	50 W	25 W
PA 450	4	50 W	35 W	100 W	50 W

Input Impedance: 20kOhm balanced
 Input sensitivity: 1.23 V
 Input connectors: Phoenix screw type

Total Harmonic Distortion: 0.03% at rated output
 THD: transformer versions: 1.0% at rated output

Damping factor: >100
 Slew rate: 19V / microsec.

Power Bandwidth: 50Hz to 20kHz (+0/-3dB)

Signal / Noise Ratio: >105dB

Operating temperature: -10 to +40°C

Output connectors: Phoenix screw type
 Controls & Indicators: Power ON LED, Signal Presence, Clip, Bridge Mode Select, Input Level Control

Power requirements: 110/230V, 50/60Hz

Dimensions (H x W x D): 1.75" x 19" x 10" 4.45X48.3X20.54 cm

Weight: 7 lbs; 3.26kg
 (transformer version): 9 lbs; 3.62kg

OutputTransformer Versions: 60Hz-20KHz(+0/3dB)

