



MPA250 single-channel, multi-purpose amplifiers deliver a full 250 Watts of power into direct or distributed speaker systems. The MPA250 is designed for reliable service in permanent installations, and comes complete with short-circuit and thermal protection, including front/rear panel indicators and automatic reset. Plug-in barrier strip input and screw terminal outputs provide trouble-free, dependable connections. MPA250 amplifiers are UL listed and carry Biamp's five-year warranty.

FEATURES

- 250 watts at all outputs (4Ω direct & transformer)
- internal transformer (8Ω, 70V, 25V, & 25V-CT outputs)
- signal/peak & temp/fault indicators on front & rear panels
- balanced/unbalanced input selector on rear panel
- level control & input sensitivity selector on rear panel
- high-pass filter selector on rear panel (12dB/oct. @ 125Hz)
- input on plug-in barrier - outputs on screw terminals
- short-circuit & thermal protection with automatic reset
- variable speed fan (quiet, reliable - no filter maintenance)
- **RoHS** compliance and **AES** grounding practices
- **UL / C-UL** listed
- covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The power amplifier shall provide single channel, reliable continuous power of 250 Watts at a 4 ohm direct output. This same 250 Watts shall also be available, via an internal transformer, at 8 ohm, 70V, 25V, & 25V-CT outputs. Output connections shall be on rear panel screw terminals. Input connection shall be on rear panel plug-in barrier strip. Balanced or unbalanced input shall be selectable via rear panel switch. Input sensitivity, of either 775mV or 300mV, shall be selectable via rear panel switch, and a screw-driver adjustable level control shall be included. A high-pass filter of 12dB/octave @ 125Hz shall be selectable via rear panel switch. Short-circuit and thermal protection circuitry shall be provided, with automatic reset. Signal/peak and temp/fault indicators shall be provided on both front and rear panels. Amplifier cooling shall be by means of an internal variable speed fan, which shall require no filter or associated maintenance.

Frequency Response shall be +0/-1dB from 20Hz to 20kHz. THD shall be less than 0.2% from 20Hz to 20kHz at rated power to the 4 ohm direct output, and less than 1.0% from 100Hz to 15kHz at rated power to any transformer output. Signal-to-Noise Ratio shall be greater than 90dB from 20Hz to 20kHz at rated power to the 4 ohm direct output. Power consumption shall be less than 900 Watts. Dimensions shall be 3.5 inches (2 rack spaces) high, 19 inches wide, and 8.5 inches deep. Weight shall be 23 lbs. The amplifier shall be UL/C-UL listed and shall incorporate AES48-2005 Grounding & EMC practices. The amplifier shall be compliant with EU Directive 2002/95/EC, the RoHS directive. The amplifier shall carry a five-year warranty.

The amplifier shall be a BIAMP MPA250.

MPA250 SPECIFICATIONS

Continuous Power (4 ohm direct & transformer outputs):	250 watts	Input Impedance:	
Signal-to-Noise Ratio (20Hz~20kHz):		balanced	20k ohms
referenced to 250 watts into 4 ohm direct output	> 90dB	unbalanced	10k ohms
Total Harmonic Distortion:		Power Requirements:	120VAC @ 60Hz
20Hz~20kHz @ 250 watts into 4 ohm direct output	< 0.2%	Power Consumption:	900 watts
100Hz~15kHz @ 250 watts at transformer outputs	< 1.0%	Dimensions (H x W x D):	3.5" x 19" x 8.5" (89 x 483 x 216mm)
Intermodulation Distortion (SMPTE):	< 0.35%	Weight:	23 lbs. (10.5kg)
Frequency Response (20Hz~20kHz):	+0/-1dB	Compliance:	AES48-2005 Grounding & EMC practices EU Directive 2002/95/EC, RoHS directive UL/C-UL listed
Input Sensitivity (selectable):	775mV / 300mV		

MPA250 REAR PANEL DIAGRAM

