AMPLIFIER SERIES HPA 3602/4802/6402

Reliable Class-D Amplifiers with Linear Power Supply

HPA Series liner power supply amplifiers

Constant innovation in the pro audio industry has led to the development of new technologies and innovations. High performance in professional loudspeakers demands an equally efficient amplification. For a sound system engineer, whether an installed sound or touring system, the only thing that matters is - the show must go on.

Reliability is the highest priority

Amplifier HPA series amplifiers are an answer for both install and touring verticals.

Design Philosophy

- Sonic performance
- Ease of Service
- Reliability

HPA series is a combination of Linear Power Supply mated with high efficiency Class-D output stage. The PCB design is fairly modular, with on-field replacements as easy as unscrewing a few fasteners, dropping in a new PCB, and you are back in business.

KEY FEATURES

- Robust high current CLASS D amplifier
- Sturdy 2U chassis size
- Stable to 1 ohm.
- Full power bandwidth 10hz-20 kHz.
- Reliable Toroidal linear power supply.1500
- Damping factor > 1000

SYSTEM APPLICATIONS

- Live sound, stage monitoring, permanent installation
- Stereo, bi/tri-amped general applications

CREATIVE SOUND CONCEPTS

MODEL NO	HPA 3602	HPA 4802	HPA 6402
Type	Class-D with Post filter feedback with Active Error Correction		
Channels	2	2	2
Continuous Average Power/Ch @ 4 ohms [all channels driven] in watts	1200	1800	2400
Continuous Average Power/Ch @ 2 ohms [all channels driven] in watts	1800	2400	3200
Peak Power/Ch @ 2 ohms in watts	2000	3000	4000
Full power Frequency response	20 Hz-20 kHz		
THD @ Full power Bandwidth	<0.1%		
Signal to Noise (20hz--25Khz) 8 ohms	100dB		
Input Sensitivity at Rated power @4 ohms	1.1V	1.4V	1.7V
Cross Talk before clip	75dB		
Voltage Gain	43X		
Damping factor 20Hz to 1000Hz	>1000		
Power requirement from mains			
A Current draw 1/8 power @ 4ohms [240VAC@50Hz]	5A	7.5A	10A
Input impedance	10K		
Input clip setting	10V RMS		

Mid highs measured on-axis in full space @ one watt/1-meter using band-limited pink noise in the en-devour to continuously improve the product with design refinements introduced into existing products. Any current CSC product may differ in some respect from its published description. However, this will always equal or exceed the original design specifications. Every CSC Product is built to the highest standards and tested to ensure that it meets the performance criteria specified.