

# DPA252

## Class-D Power Amplifier

# AUDAC

### ► Features

- Two channels (Stereo)
- Class-D Technology
- Compact size, High performance
- High efficiency
- Convection cooled
- Low heat dissipation
- Advanced Protection circuit
- Stereo, Parallel and Bridged mode

### ► Applications

- Residential applications
- Commercial applications
- Professional applications



The DPA series amplifiers are D-Class power amplifiers designed to meet the requirements for various kinds of applications, ranging from standard stereo home applications to Multi-Zone distributed speaker systems. They are designed in six different models of Class D power amplifiers, divided in three different architectures to meet the requirements for all kinds of applications.

They combine the best of all features in one single series of amplifiers, providing an outstanding sound quality with all the known advantages of Class-D Amplifiers. Such as the excellent efficiency and very low heat dissipation. And due to the complete passively cooled entity only a minimal of maintenance is needed, while ensuring maximum reliability.

The small size of a single rack space make them very interesting for fixed rack mount as well as mobile applications.

The DPA252 is built as a two channel (Stereo) amplifier capable of delivering a power of 2 x 250 Watt in stereo mode, or 500 Watt in bridged mono mode. It features various specific functions and advanced protection circuitry which protects against DC malfunctioning, short circuit, overheating and overload.

The signal input connections are integrated with balanced XLR connectors, and signal link through is possible using the XLR output connectors. The operation mode can be selected between Stereo mode, Bridge mode and Parallel mode.

The output connections are both accommodated with both Speakon connectors and Euro-Terminal connection blocks.

### ► Specifications

SYSTEM SPECIFICATIONS	
RMS Power @ 4 Ohm Stereo	2 x 250 Watt
RMS Power @ 8 Ohm Stereo	2 x 130 Watt
RMS Power @ 8 Ohm Bridge	500 Watt
Input sensitivity	4 dBu
Input impedance	20 k Ohm
Input CMRR (1 kHz)	> 60 dB
Frequency response ( ± 1 dB)	20 Hz - 20 kHz
Signal to noise ratio	> 100 dB
Damping factor (8 Ohm, 400 Hz)	> 200
Channel separation (8 Ohm, 1 kHz)	> 70 dB
T.H.D at 1 kHz, (1/2 rated power)	Less than 0.1%
Technology	Class-D
Power Supply	Switching mode
Power source	110 ~ 240V AC / 50 ~ 60 Hz
Cooling	Convection cooled
Protection	DC short circuit
	Overheat
	Over load
	Signal limiting
Operating temperature	0° ~ 40° C at 95% Humidity
PRODUCT FEATURES	
Dimensions (Width x Height x Depth)	482 x 44 x 330 mm
Weight net	4.77 Kg
Mounting	19"
Unit height	1 HE
Construction	Steel
Colour	Black
SHIPPING & ORDERING	
Packaging	Carton box
Shipping weight and volume	7 Kg - 0.035 Cbm
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continually improve our products	