

TWO-CHANNELS CLASS D-PROFESSIONAL AMPLIFIER



DESCRIPTION

The TDA series is an affordable 2-channel power amplifier developed for both fixed installation and portable market in a lightweight, cost-effective package. It incorporates a number of sophisticated technologies to ensure the best possible performance and many years of reliable operation.

This series combines the exceptional efficiency of a Class-D amplifier with the unique circuit architecture of the multi-loop control technology. According to the characteristics required in professional audio environments, the chassis structure is optimized, the operation is more intuitive, and can better meet the use of the narrow space.

TDA Series is designed to deliver 2 x 450 (TDA1.3), 2 x 1200 watts (TDA3.6) and 2 x 1800 watts (TDA4.8) into 4 ohms, and it is ideal for powering E, IBZA and V Series systems in small to medium-scale installations and portable sound applications.

The TDA amplifiers are the perfect partner for the Tecnare DP4896 system processor. TDA amplifiers and DP4896 system processor deliver exceptional sound quality and performance in a wide range of settings. For larger installations, the DP4896 system processor is equipped with the onboard network capability and SE software control, making it easy to manage and control your audio system.

Moreover, the TDA Series have designed to draw less power from the mains supply, ensuring that it operates with maximum efficiency while still delivering the high-quality sound you expect, adding support a more eco-friendly planet.

Whether you're setting up a sound system for a medium concert hall or a small intimate venue, this system is guaranteed to deliver superior sound quality with ease and reliability. With its advanced technology and sleek design, you can be sure that this system will meet all your audio needs while saving you on energy costs.

MAIN APPLICATIONS

- Small to Medium-scale venues
- Portable sound and stage monitoring
- Convention centres
- House of worship
- Distributed, Fill and Under Balcony

MAIN FEATURES

- Two-channels of efficient Class-D amp
- 1HU, 19" rack, exceptional lightweight
- Active Power Factor Correction (APFC)
- Global mains operation, 100-240 auto-sensing
- Signal and clip LEDs
- 0.775V and 32dB gain selectable
- Balanced XLR input; Speakon output

2 channels, power output per channels

	TDA1.3	TDA3.6	TDA4.8
2 Ohm	700 Watt	1800 Watt	2400 Watt
4 Ohm	450 Watt	1200 Watt	1800 Watt
8 Ohm	300 Watt	800 Watt	1200 Watt

Technical Specifications

Rated Power/model		TDA1.3	TDA3.6	TDA4.8
2Ω nominal load stereo (per channel); Crest Factor of 7.8 (18dB)*		700W	1800W	2400W
4Ω nominal load stereo (per channel); Crest Factor of 4.8 (14dB)*		450W	1200W	1800W
8Ω nominal load stereo (per channel); Crest Factor of 2.8 (9dB)*		300W	800W	1200W
4Ω nominal load Bridge mono		1300W	3600W	4800W
8Ω nominal load Bridge mono		900W	2400W	3600W
Performance				
Frequency response		±0.2dB,10% Rate Power, 20Hz-20kHz, 8Ω		
Total Harmonic distortion, THD+N		Typical: 0.05% (10% Rated Power, 1kHz, 8Ω)		
Inter-channel crosstalk (worst combination of channels)		>75dB (Below Rated Power, 20Hz - 1kHz, 8Ω)		
Damping Factor @ 8Ω		Typical: 1000 (20-200Hz)		
Input sensitivity Rated output power, 1kHz		0.775Vrms or 32dB		
Input impedance		20k Ohm, electronically balanced		
Gain Comparation				
32dB Gain correspond to input sensitivity (26dB in TDA1.3)		2.45Vrms/10dBu	2.0Vrms/8.23dBu	2.45Vrms/10dBu
Gain corresponding to 0.775v input sensitivity		900W	2400W	3600W
RMS Voltage		36.0 dB	40.3 dB	42.0 dB
Construction				
Protection System	Protection agains excessive output current, Temperature, Overload, Mains voltage, DC offset			
Airflow	Flow-through ventilation from front to back			
Cooling	Internal heat sinks with force air. Fan cooled, variable speed; thermal protection.			
Mains Input	3 x 2.5mm² power cord			
Enclosure	Standard 19"/1HU (45mm) - Depth 296mm(11.6")			
Net Weight		4,25kg. / 9.37lbs	4,9kg. / 10.8lbs	5,1kg. / 11.24lbs

RMS output power per channels driven @ 1kHz continue sine wave and a nominal ambient temperature of 40degC / 105degF, THD+N=1%

* Test condition = 20ms



45950 Casarrubios del Monte (Toledo). SPAIN.
Phone: +34 918 170 110
Fax: +34 918 183 053
www.tecnare.com
sales@tecnare.com

