

ADSP41200

4 X 1200 W DSP AMPLIFIER

Features

The LUCASACS ADSP41200 is a powerful 4-channel class D amplifier designed to deliver superior performance with an impressive 4800 RMS per channel into 4Ω. Using Power Factor Correction (PFC) technology, this amplifier provides higher efficiency, less heat, and minimal noise, resulting in stable, high-quality audio output. The ADSP41200 is designed to meet the demands of a variety of audio installations with its built-in DSP circuitry, allowing users to seamlessly switch between MONO, STEREO, and BRIDGE modes via the multi-function DIP switch. The DIP switch also provides precise adjustments for gain levels and clip settings, ensuring optimum performance across different signal devices.

With the integrated LED display, users can easily monitor signal modes and temperature in real time, helping to prevent potential damage from overheating. The amplifier's comprehensive protection system includes protection against overload, DC, overheating, clip limits, and short circuits, visually indicated by dedicated protection/clip/level LEDs.



Technical Specifications

Feature	Specification
Channels	4
Power	4×800W @ 8Ω, 4×1200W @ 4Ω
Bridge Mode	2×1400W @ 8Ω
Cooling System	Dual fans intelligent control
Device Monitor	Temperature, Power, Voltage, Current
Support Functions	8Ω, 4Ω
DSP Process	300MHz, 48KHz 24bit
Frequency Response	20Hz ~ 20kHz (±0.5dB) @1W, 8Ω
Ground Noise	700uVRMS (-60dBu)
THD+N	<1% @1W, 8Ω
SNR	6dB sensitivity: 93dB; 0dB sensitivity: 93dB
Channel Isolation	<-70dB
Supply	AC180~264 50/60 Hz
Product Dimensions	485mm × 298mm × 66mm
Packaged Dimensions	565mm × 453mm × 162mm
Net Weight	6.85kg
Packaged Weight	8.7kg