

DA-500F-HLCU

MULTICHANNEL POWER AMPLIFIERS



The DA-500F-HL is a 4-Channel Digital Power Amplifier featuring lightweight, compact, high power output, and high efficiency. It delivers 500 W x 4 channels (70 V or 550 W into 8 Ω or 100 W into 4 Ω) using a switching power supply. Each channel is equipped with an independent power section. Its Control/Monitor terminals permit power ON/OFF control of the individual channels and status monitoring for the power ON/OFF on each channel, protection on each channel, and fan operation. Prepare the control panel or status monitor display panel separately. It can be mounted in an EIA Standard equipment rack (2 unit size).

Key features

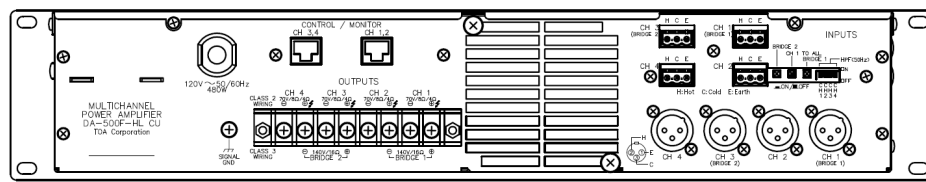
Specifications

*0 dB = 0.775 V

Power Source	120 V AC, 50/60 Hz
Amplification System	Class D
Power Consumption	480 W (based on UL/CSA standards), 2600 W (rated output 8 Ω x 4)
Input	4 circuits, +4 dB* (1.23 V) (input level control in maximum position), 10 k Ω , electronically-balanced, removable terminal block (3 pins), XLR-3-31 type connector CH 1 mode ON/OFF switch (ON: CH 1 to All ch, OFF: Each ch) HPF ON/OFF switch (-6 dB/oct, cut off frequency 50 Hz)
Rated Output	4 channels: 500 W x 4 (9.8 Ω , 70 V line), 550 W x 4 (8 Ω), 100 W x 4 (4 Ω) 2 channels (BRIDGE): 1000 W x 2 (19.6 Ω , 140 V line), 1100 W x 2 (16 Ω) M4 screw terminal, distance between barriers: 8.8 mm (0.35)
Frequency Response	20 - 20,000 Hz (-2 dB, +1 dB): HPF OFF, 50 - 20,000 Hz (-3 dB, +1 dB): HPF ON
Total Harmonic Distortion	0.1% (1 kHz) 0.3% (20 - 20,000 Hz): HPF OFF, 0.3% (100 - 20,000 Hz): HPF ON
Signal to Noise Ratio	100 dB (A-weighted)
Crosstalk	70 dB (A-weighted)
Control/Monitor	Control input: Power ON/OFF status of the individual channels photocoupler input, drive voltage: 9 V DC (Min) - 14 V (Max), 12 V (Typ) Monitor output: Power ON/OFF status of the individual channels, Protection status of the individual channels, Fan operation status photocoupler open collector output, withstand voltage: 30 V DC, control current: Under 12 mA Connector: RJ-45 connector x 2 Connection cable: Category 5 twisted pair cable for LAN (CAT5-UTP) Maximum cable distance: 600 m (656.17 yd)
Protection Circuit	Protection against excessive current flow due to overload, short circuit, unusual DC voltage output, temperature rise at power amp. heat sink (100# or more (212#), temperature rise at power supply heat sink (80# or more (176#)
LED Indicator	Power (blue) x 1, Input (green) x 4, Output (yellow) x 4, Peak (red) x 4, Protect (red) x 4
Cooling	Forced air cooling
Operating Temperature	-10 °C to +40 °C (14 °F to 104 °F)
Operating Humidity	90% RH or less (no condensation)
Finish	Panel: Aluminum, black, alumite Case: Plated steel sheet
Dimensions	482 (W) x 88.4 (H) x 404.2 (D) mm (18.98 x 3.48" x 15.91")
Weight	8.8 kg (19.4 lb)
Included Accessories	Removable terminal plug (3 pins) ...4, Tamper-proof cap ...4
Optional Accessories	Matching transformer: MT-251H

Dimensions

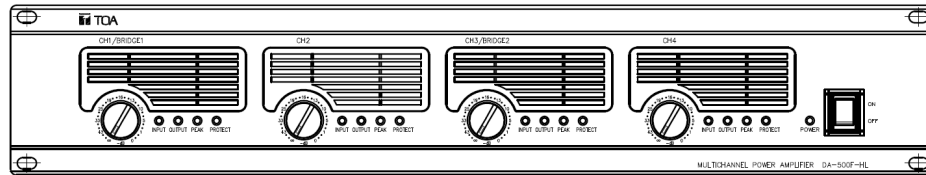
Rear View



482 [18.98"]

465 [18.31"]

Front View

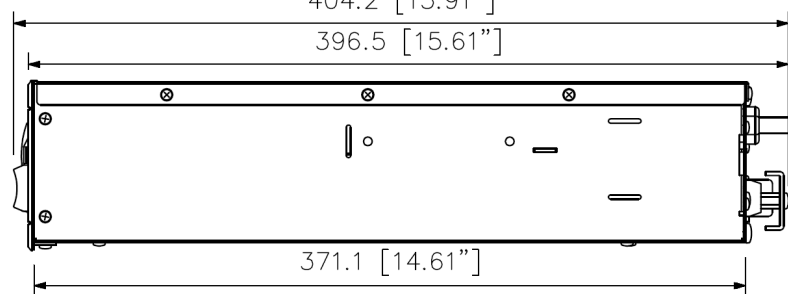


404.2 [15.91"]

396.5 [15.61"]

76.2 [3"]
88.4 [3.48"]

Side View



371.1 [14.61"]

UNIT:mm