



MULTICHANNEL POWER AMPLIFIER

DA-500F(TW)

DESCRIPTION

The DA-500F is a 4-Channel Digital Power Amplifier featuring lightweight, compact, high power output, and high efficiency. It delivers 500 W × 4 channels (4 Ω output) 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).

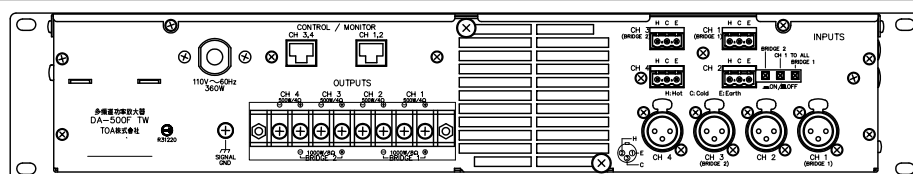
SPECIFICATIONS

*0 dB = 0.775 V

Power Source	110 V AC, 60 Hz
Amplification System	Class D
Power Consumption	360 W (based on CNS standards), 2500 W (rated output 4 Ω), 1450 W (rated output 8 Ω)
Input	4 circuits, +4 dB* (1.23 V) (input level control in maximum position), 10 kΩ, 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)
Rated Output	4 channels: 500 W × 4 (4 Ω), 300 W × 4 (8 Ω) 2 channels (BRIDGE): 1000 W × 2 (8 Ω) M4 screw terminal, distance between barriers: 8.8 mm (0.35")
Frequency Response	20 Hz – 20 kHz (–2 dB, +1 dB)
Total Harmonic Distortion	0.1 % (1 kHz) 0.15 % (20 Hz – 20 kHz)
Protection Circuit	Protection against excessive current flow due to overload, short circuit, unusual DC voltage output, temperature rise at power amp. heat sink (100 °C or more (212 °F)), temperature rise at power supply heat sink (80 °C or more (176 °F))
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: RJ45 connector × 2 Connection cable: Category 5 twisted pair cable for LAN (CAT5-UTP) Maximum cable distance: 600 m (656.17 yd)
LED Indicator	Power (blue) × 1, Input (green) × 4, Output (yellow) × 4, Peak (red) × 4, Protect (red) × 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) × 88.4 (H) × 404.2 (D) mm (18.98" × 3.48" × 15.91")
Weight	8.8 kg (19.4 lb)
Accessory	Removable terminal plug (3 pins) × 4, Tamper-proof cap × 4, Rack mounting screw (with plain washer) × 4

APPEARANCE

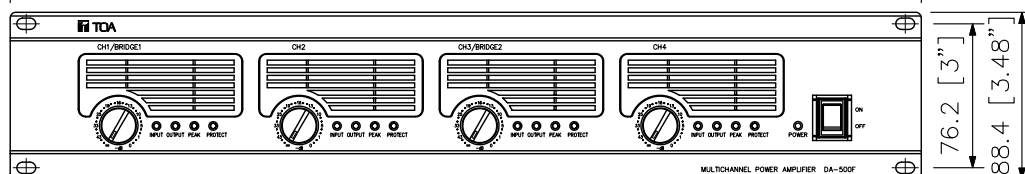
Rear View



482 [18.98"]

465 [18.31"]

Front View

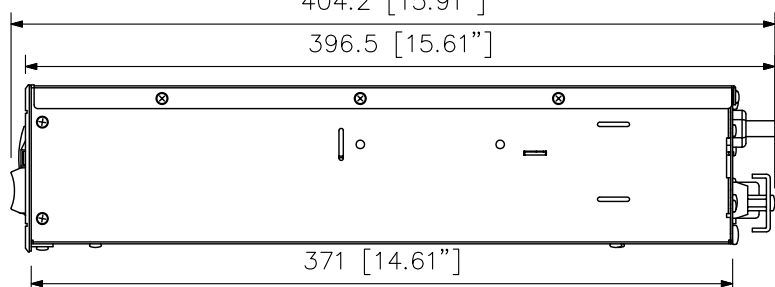


404.2 [15.91"]

396.5 [15.61"]

76.2 [3"]
88.4 [3.48"]

Side View



371 [14.61"]

UNIT:mm SCALE:1/4