



MULTICHANNEL POWER AMPLIFIER

DA-550F(CE)

DESCRIPTION

The DA-550F is a 4-Channel Digital Power Amplifier featuring lightweight, compact, high power output, and high efficiency. It delivers 550 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).

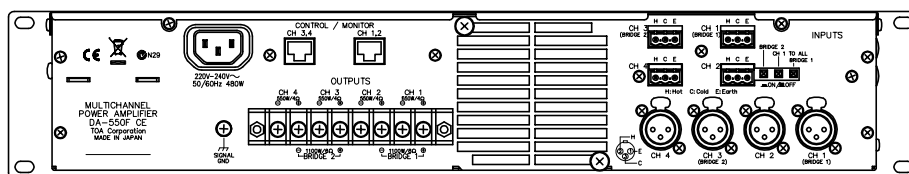
SPECIFICATIONS

*0 dB = 0.775 V

Power Source	220 - 240 V AC, 50/60 Hz
Amplification System	Digital Class D
Power Consumption	480 W (based on EN standards), 2750 W (rated output 4 Ω × 4), 1550 W (rated output 8 Ω × 4),
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: 550 W × 4 (4 Ω), 350 W × 4 (8 Ω), 2 channels (BRIDGE): 1100 W × 2 (8 Ω) M4 screw terminal, distance between barriers: 8.8 mm (0.35")
Frequency Response	20 - 20,000 Hz (-2 dB, +1 dB)
Total Harmonic Distortion	0.1% (1 kHz) 0.15% (20 - 20,000 Hz)
Protection Circuit	Protection against excessive current flow due to overload, short circuit, unusual DC voltage output, and heat sink temperature rise (over 100°C)
S/N 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 × 2 Connection cable: Shielded Category 5 twisted pair cable for LAN (CAT5-STP) Maximum cable distance: 600 m
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 (14F to 104F)
Operating Humidity	Under 90% RH (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	9 kg (19.84 lb)
Accessory	Power cord (2 m (6.56 ft)), Removable terminal plug (3 pins) × 4, Rack mounting screw (with washer) × 4, Tamper-proof cap × 4

APPEARANCE

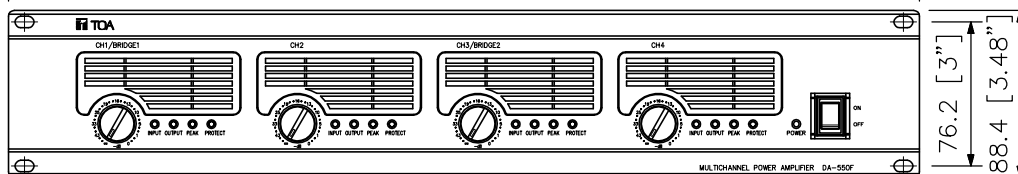
Rear View



482 [18.98"]

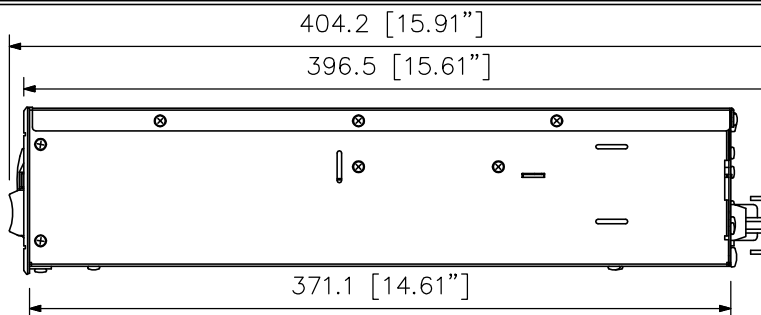
465 [18.31"]

Front View



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88.4 [3.48"]

Side View



404.2 [15.91"]

396.5 [15.61"]

371.1 [14.61"]

UNIT: mm SCALE: 1/4