



MULTICHANNEL POWER AMPLIFIER

DA-250FH(CU)

DESCRIPTION

The DA-250FH is a 4-Channel Digital Power Amplifier designed for 70 V line high-impedance distribution and features lightweight, compact, high power output, and high efficiency. It delivers 250 W × 4 channels (19.6 Ω output) using a switching power supply. Each channel is equipped with an independent power section. It can be electrically isolated from the high-impedance speaker system by attaching the MT-251H Output Transformer (optional).
It can be mounted in an EIA Standard equipment rack (1 unit size).

SPECIFICATIONS

*0 dB = 0.775 V

Power Source	120 V AC, 50/60 Hz
Amplification System	Class D
Power Consumption	200 W (based on UL/CSA standards) 1200 W (rated output 70 V line, 19.6 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) CH 1 mode ON/OFF switch (ON: CH 1 to All ch, OFF: Each ch)
Rated Output	4 channels: 250 W × 4 (70 V line, 19.6 Ω) 2 channels (BRIDGE): 500 W × 2 (140 V line, 39.2 Ω) M4 screw terminal, distance between barriers: 8.8 mm
Frequency Response	20 Hz – 20 kHz (±1 dB): HPF OFF/50 Hz – 20 kHz (–3 dB, +1 dB): HPF ON (selectable with the inner jumper)
Total Harmonic Distortion	0.1 % (1 kHz), 0.3 % (20 Hz – 20 kHz): HPF OFF 0.1 % (1 kHz), 0.3 % (100 Hz – 20 kHz): HPF ON
Protection Circuit	Protection against excessive current flow due to overload, short circuit, unusual DC voltage output, temperature rise at power amp. heat sink (110 °C or more), temperature rise inside the unit (80 °C or more)
Signal to Noise Ratio	100 dB (A-weighted)
Crosstalk	70 dB (A-weighted)
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
Operating Humidity	90 %RH or less (no condensation)
Finish	Panel: Aluminum, black, alumite Case: Plated steel sheet
Dimensions	482 (W) × 44 (H) × 401.8 (D) mm
Weight	6.6 kg
Accessory	Power cord (2 m) ...1, Removable terminal plug (3 pins) ...4, Tamper-proof cap ...4
Option	Matching transformer: MT-251H

APPEARANCE

