

PRODUCT SHEET & SPECIFICATIONS

n.FORM™

MULTI-CHANNEL AMPLIFIER

MODEL APFR-MULTICH250



FUNCTION

The APFR-MULTICH250 utilizes advanced digital technology to provide multi-channel high power outputs. The lightweight construction and compact dimensions of the amplifier allows for easy placement. The amplifier is equipped with low-noise constant speed fans for adequate cooling and is designed for ultra-reliable long term operation. Redundant protection circuitry monitors amplifier status and protects the amplifier and system .

FEATURES & CAPABILITIES

- + High Efficiency- Extremely high amplification efficiency of 80-90%, resulting in reduction in power consumption
- + High Durability- Stands up to extended hours of operation.
- + High Reliability- Has comprehensive protection circuitry for protection against excessive current flow due to overload, short circuit, unusual DC voltage output and power amplifier heat sink temperature rise
- + Lightweight design- Making installation much easier
- + Compact Design- Only requires a small installation space
- + Independent Power Supply- Each of the channels has its own power supply. If the power supply of Channel 1 should fail, this won't affect the operation of Channel 2-4

DIMENSIONS / FINISH

- + 482W X 44H X 401.8D
- + Aluminum (Black)

WEIGHT

- + 14.6lbs

POWER SOURCE

- + 120V AC . 50/60Hz

POWER CONSUMPTION

- + Idle Power Consumption- 58W, 1.0A
- + Rated Power Consumption 70V- 1,200W, 15.9A
- + 1/8 Power Pink Noise 70V- 265W, 4.1A
- + 1/3 Power Pink Noise 70V- 609W, 8.5A
- + 1/8 Power 70V- 224W, 3.6A
- + 1/3 Power 70V - 449W, 7.2A

FREQUENCY RESPONSE

- + HPF OFF: 20Hz - 20kHz
- + HPF ON: 50Hz - 20kHz

THD

- + HPF ON: 0.1% (1kHz), 0.3% (100Hz-20kHz)
- + HPF OFF: 0.1% (1kHz), 0.3% (20Hz-20kHz)

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S/N RATIO

+ 100dB

CROSSTALK @ 10KHZ (A WEIGHTED)

+ 70dB

VOLTAGE GAIN

+ 35.1 dB

INPUTS

- + Input impedance-10k (unbalanced), 20k (balanced)
- + Input sensitivity- +4dB (1.23V)
- + Input clipping - 14V (25.1 dBu)

FRONT PANEL

- + Gain Controls- 30 position detent
- + Indicators per channel:
 - Input- Green LED
 - Output- Yellow LED
 - Peak- Red LED
 - Protect- Red LED
 - Power-On- Blue LED

REAR PANEL

- + Input Connectors- Detachable Euro Style Terminal Block (electrically balanced)
- + Speaker Output- Screw Terminal

OUTPUT

- + Total Output All Channel Driven- 1,000W
- + Output Voltage Per Channel- 70V
- + Output Current Per Channel- 3.6A
- + Power Output: 70 V Per Channel- 250W
140V bridged, per channel- 500W

COOLING

- +Continuously constant speed fan with front-to-rear airflow

OPERATING TEMPERATURE/HUMIDITY

- + -10C to +40C (14F to 140F) / Under 90% RH (no condensation)