MULTI-CHANNEL AMPLIFIER
(MODEL APFR-MULTICH250)

- DESCRIPTION
The 4 Channel Power Amplifier 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 AND 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.
MULTI CHANNEL AMPLIFIER

– ENCLOSURE
+ Aluminum, black
+ Dimensions – 482W X 44H X 401.8D
Weight – 14.6lbs.

– POWER SOURCE
+ 120V AC . 50/60Hz

– 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

– 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)

– S/N RATIO
+ 100dB

– Crosstalk at 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

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

– OPERATING TEMPERATURE
+ -10C to +40C (14F to 140F)

– OPERATING HUMIDITY
+ Under 90% RH (no condensation