

## PRODUCT SHEET & SPECIFICATIONS

# n.FORM™ AMPLIFIER

MODELS APFR-20 / APFR-35



### FUNCTION

The APFR-20 & APFR-35 are equipped with 1 Mic/Line input and 2 Line inputs and also includes an MOH Out. For installation ease, the rear-mounted terminal blocks are removable. DIP switches are provided to enable quick settings.

### FEATURES & CAPABILITIES

- + Affordable and compact amplifiers designed for background music and paging applications.
- + Tamper-proof bass and treble controls preserve system settings.
- + Security knobs for volume control included.
- + Thermal protection circuits against overheating.
- + Meets UL/cUL regulations.
- + Any of 3 inputs can be assigned to MOH/ZONE 2 output.
- + LINE 2/3 outputs equipped with RCA pin jacks.
- + Automatic Mute sensing control to set mute activation threshold and manual mute function.
- + Removable terminal blocks and rear-mounted DIP switches for fast and easy installation/setup

### DIMENSIONS / FINISH

- + 210 (W) × 94.3 (H) × 265 (D)mm (8.27" × 3.71" × 10.43")
- + Panel: ABS resin, black/Case: Steel plate, black, paint

### WEIGHT / RATED OUTPUT

- + APFR-20: 3.5 kg / 20W
- + APFR-35: 4kg / 35W

### POWER CONSUMPTION

- + APFR-20: 60W (rated output), 36 W (based on cULus standards)
- + APFR-35: 90 W (rated output), 55 W (based on cULus standards)

### FREQUENCY RESPONSE

- + 50 Hz – 20k Hz

### S/N RATIO

- + Mic/Line 1: 60 dB or more/Line 2, 3: 80 dB or more

### INPUT

- + Mic.: -60 dB\*/Line 1: -10 dB  
Mic/Line 1 selectable, 600Ω, electronically balanced, removable terminal block
- Line 2, 3: -10 dB\*, 10 kΩ, unbalanced, removable terminal block or RCA jack

### OUTPUT

- + APFR-20 & APFR-35: 4 Ω, 25 V (31 Ω) and 70 V (245 Ω) balanced, removable terminal block
- + APFR-35: MOH:0 dB\*, 600 Ω, balanced, removable terminal block
- + APFR-35: Line:0 dB\*, 600 Ω, unbalanced, removable terminal block

### OUTPUT REGULATION

- + 2 dB or less, no load to full load (1k Hz)

### POWER SOURCE

- + 20 V AC, 60 Hz

### TOTAL HARMONIC DISTORTION

- + 0.5% or less, at 1 kHz, rated output

### TONE CONTROL

- + Bass: ±10 dB at 100 Hz, Treble: ±10 dB at 10k Hz

### CONTROL

- + Mic/Line 1 gain control, Line 2 gain control, Line 3 gain control, Bass tone control, Treble tone control, MOH out gain control, Mute control (Manual mute), Mute sense control, Auto mute switch (Mic/Line 1), Mic /Line 1 selector switch, Mute receive switch (Line 2, 3), assign switch (Mic/ Line 1, Line 2, 3), Power ON/OFF switch

### INDICATORS

- + Power LED, Signal level LED, Peak LED

### OPERATING TEMPERATURE/HUMIDITY

- + 0°C to 40 °C (32°F to 104 °F) / 35% to 80% RH (no condensation)