

## PRODUCT SHEET & SPECIFICATIONS

# n.FORM™ POWER AMPLIFIER

MODELS APFR-300 / APFR-2CH1000 / APFR2CH-1500



### FUNCTION

The APFR-300, APFR-2CH1000 and APFR-2CH1500 provides exceptional performance and flexibility for installed sound applications. The amplifiers feature independent selection of high and low impedance operation for a specific channel, plus power levels and features that were carefully chosen to match the requirements of fixed install design.

### FEATURES & CAPABILITIES

- + High power-density + 2 channels in a 2U chassis.
- + Direct constant-voltage (70V/100V/140V/200V) or low impedance (2/4/8/ ohm) operation.
- + Input sensitivity Independently selectable for each channel.
- + TLC protection circuitry protects the amplifier from long-term excessive heat by subtly and dynamically reducing the gain only when necessary.
- + Switchable high-pass filter for each channel provides low-frequency roll off to eliminate step down transformer saturation when used in distributed systems.
- + Comprehensive array of indicators including Power, Data and Bridge, along with Ready, Signal, Clip, Thermal and Fault for each channel, provide accurate diagnostics.

### SPECIFICATIONS

#### APFR-300

2-ohm Dual (per ch.)

4-ohm Dual (per ch.)

8-ohm Dual (per ch.)

16-ohm Dual (per ch.)

70V Dual (per ch.)

100V Dual (per ch.) 4-

ohm Bridge

8-ohm Bridge

16-ohm Bridge

100V Bridge

140V Bridge

200V Bridge

20 Hz–20 kHz

Power

**150W**

**300W**

**300W**

**300W**

**300W**

\* **300W**

**300W**

**600W**

**600W**

\* **600W**

**600W**

\* **600W**

20 Hz–20 kHz Power refers to maximum average power in watts from 20 Hz to 20 kHz with 0.1% THD.

\* With T-170V or TP-170V.

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<b>APFR-2CH1000</b>	20 Hz–20 kHz power	<b>APFR-2CH1500</b>	20 Hz–20 kHz POWER
2-ohm Dual (per ch.)	<b>1000W</b>	2-ohm Dual (per ch.)	<b>1500W</b>
4-ohm Dual (per ch.)	<b>1000W</b>	4-ohm Dual (per ch.)	<b>1500W</b>
8-ohm Dual (per ch.)	<b>1000W</b>	8-ohm Dual (per ch.)	<b>1250W</b>
16-ohm Dual (per ch.)	<b>625W</b>	16-ohm Dual (per ch.)	<b>625W</b>
70V Dual (per ch.)	<b>1000W</b>	70V Dual (per ch.)	<b>1500W</b>
100V Dual (per ch.)	<b>1000W</b>	100V Dual (per ch.) 4-	<b>1500W</b>
4-ohm Bridge	<b>2000W</b>	ohm Bridge	<b>3000W</b>
8-ohm Bridge	<b>2000W</b>	8-ohm Bridge	<b>3000W</b>
16-ohm Bridge	<b>2000W</b>	16-ohm Bridge 140V	<b>2500W</b>
140V Bridge	<b>2000W</b>	Bridge	<b>3000W</b>
200V Bridge	<b>2000W</b>	200V Bridge	<b>3000W</b>

20 Hz–20 kHz Power refers to maximum average power in watts from 20 Hz to 20 kHz with 0.35% THD.

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### SPECIFICATIONS

	APFR-300	APFR2CH-1000	APFR2CH-1500
Channels	2	2	2
Sensitivity	1.4V	1.4V	1.4V
Signal to Noise Ratio (below rated power 20Hz to 20kHz, A-Weighted)	105dB	105dB	105dB
Total Harmonic Distortion (THD) (full rated power, 20Hz - 20kHz)	< 0.1%	< 0.35%	< 0.35%
Damping Factor (10 Hz to 100Hz)	<3000	<3000	<3000
Frequency Response (at 1W into 4/8 ohms)	± 0.25dB	± 0.25dB	± 0.25dB
Crosstalk (below rated power 20Hz to 1kHz)	> 80dB	> 80dB	> 80dB
Common Mode Rejection (20Hz to 1Khz)	> 50dB	> 50dB	> 50dB
Maximum Input Level (before input compression)	+20dBu	+20dBu	+20dBu
Load Impedance	70V, 100V (2-16 Ohms)	70V, 100V (2-16 Ohms)	70V, 100V (2-16 Ohms)
Voltage Gain (at maximum level settings) (8/4 ohm operation)	35:1 (31dB)	35:1 (31dB)	35:1 (31dB)
Power Draw at Idle (120VAC mains: standby mode) -	24W	35W	35W

### - General

Dimension (H x W x D)	3.5" x 19" x 14.25"	3.5" x 19" x 14.25"	3.5" x 19" x 14.25"
Net Weight	22.8 lbs	22.8 lbs	22.8 lbs
Net Shipping Weight	27.7 lbs	27.7 lbs	27.7 lbs