

i.Net

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	20 Hz–20 kHz Power
2-ohm Dual (per ch.)	150W
4-ohm Dual (per ch.)	300W
8-ohm Dual (per ch.)	300W
16-ohm Dual (per ch.)	300W
70V Dual (per ch.)	300W
100V Dual (per ch.) 4-	* 300W
ohm Bridge	300W
8-ohm Bridge	600W
16-ohm Bridge	600W
100V Bridge	* 600W
140V Bridge	600W
200V Bridge	* 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.	

PRODUCT SHEET & SPECIFICATIONS

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SPECIFICATIONS

APFR-2CH1000	20 Hz–20 kHz power	APFR-2CH1500	20 Hz–20 kHz POWER
2-ohm Dual (per ch.)	1000W	2-ohm Dual (per ch.)	1500W
4-ohm Dual (per ch.)	1000W	4-ohm Dual (per ch.)	1500W
8-ohm Dual (per ch.)	1000W	8-ohm Dual (per ch.)	1250W
16-ohm Dual (per ch.)	625W	16-ohm Dual (per ch.)	625W
70V Dual (per ch.)	1000W	70V Dual (per ch.)	1500W
100V Dual (per ch.)	1000W	100V Dual (per ch.) 4-	1500W
4-ohm Bridge	2000W	ohm Bridge	3000W
8-ohm Bridge	2000W	8-ohm Bridge	3000W
16-ohm Bridge	2000W	16-ohm Bridge 140V	2500W
140V Bridge	2000W	Bridge	3000W
200V Bridge	2000W	200V Bridge	3000W
20 Hz–20 kHz Power refers to maximum average power in watts from 20 Hz to 20 kHz with 0.35% THD.		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