

PRODUCT SHEET & SPECIFICATIONS

n.FORM[®]

MULTI-CHANNEL AMPLIFIER

MODELS APFR-MULTICH220 / APFR-MULTICH200



FUNCTION

The APFR-MULTICH220 & APFR-MULTICH200 offer new flexibility and value for installed sound applications. The multi-channel amplifiers offer independent selection of high- and low-impedance operation for a specific channel with power levels and features carefully chosen to perfectly integrate into fixed install design requirements.

FEATURES & CAPABILITIES

- + Selectable constant-voltage (70V/100V) or low impedance (4/8 ohm) operation for each channel pair (channel pair must be operated in Bridge mode for 100V).
- + FIT (Fault Isolation Topology) circuitry isolates faults within affected channels
- + TLC protection circuitry protects the amplifier from excessive heat by subtly and dynamically reducing the gain only when necessary to reduce heat levels
- + Comprehensive array of indicators including Power and Data, along with Bridge, Ready, Signal, Clip, Thermal and Fault for each channel, provide accurate diagnostics
- + A fixed 35-Hz (70-Hz in APFR-MULTICH220) high-pass filter per channel pair is automatically inserted when the mode switch is set to either of the constant-voltage settings. The high-pass filter corner frequency in the APFR-MULTICH200 can be set to 70 Hz, or bypassed, with a service option

SPECIFICATIONS

- + Dimensions:
 - APFR-MULTICH220: 3.5" x 19" x 16.25"
 - APFR-MULTICH200: 5.25" x 19" x 16.25"
- + Net Weight:
 - APFR-MULTICH220: 27 lbs 8 oz
 - APFR-MULTICH200: 36 lbs 6 oz

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SPECIFICATIONS

APFR-MULTICH200			Maximum Average Power in watts with 0.1% THD.			APFR-MULTICH220			Maximum Average Power in watts with 0.1% THD.				
Dual						Dual							
4 Channels Driven			1 kHz	20 Hz–20 kHz		4 Channels Driven			1 kHz	20 Hz–20 kHz			
4-ohm (per ch.)			200W	175W		4-ohm (per ch.)			260W	215W			
8-ohm (per ch.)			160W	155W		8-ohm (per ch.)			180W	190W			
70V (per ch.)			200W	285W*		70V (per ch.)			220W	220W*			
1 Channel Driven			1 kHz	20 Hz–20 kHz		1 Channel Driven			1 kHz	20 Hz–20 kHz			
4-ohm (per ch.)			270W	230W		4-ohm (per ch.)			270W	225W			
8-ohm (per ch.)			220W	220W		8-ohm (per ch.)			220W	210W			
70V (per ch.)			250W	230W		*	70V (per ch.)			250W	245W		*
Bridge-Mono						Bridge-Mono							
2 Channel-Pairs Driven			1 kHz	20 Hz–20 kHz		2 Channel-Pairs Driven			1 kHz	20 Hz–20 kHz			
8-ohm (per ch. pair)			400W	350W		8-ohm (per ch. pair)			520W	430W			
16-ohm (per ch. pair)			320W	310W		16-ohm (per ch. pair)			400W	380W			
100V (per ch. pair)			200W	185W*		100V (per ch. pair)			220W	220W*			
1 Channel-Pair Driven			1 kHz	20 Hz–20 kHz		1 Channel-Pair Driven			1 kHz	20 Hz–20 kHz			
8-ohm (per ch. pair)			540W	460W		8-ohm (per ch. pair)			560W	450W			
16-ohm (per ch. pair)			440W	440W		16-ohm (per ch. pair)			440W	420W			
100V (per ch. pair)			250W	230W		*	100V (per ch. pair)			250W	245W		*
* Constant Voltage full bandwidth power ratings support 100Hz - 20kHz due to automatic High-Pass Filters.						* Constant Voltage full bandwidth power ratings support 100Hz - 20kHz due to automatic High-Pass Filters.							

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AMPLIFIER 220W/200W	APFR-MULTICH220	APFR-MULTICH200
Channels	4	8
Sensitivity	1.4V	1.4V
Signal to Noise Ratio (below rated power 20Hz to 20kHz, Unweighted)	100dB	100dB
Total Harmonic Distortion (THD) (full rated power, 20Hz - 20kHz)	< 0.05%	< 0.05%
Intermodulation Distortion (from odB down to -40dB)	< 0.05%	< 0.05%
Frequency Response (at 1W into 4/8 ohms)	± 0.5dB	± 0.5dB
Phase Response (at 1 watt, 10 Hz - 20 kHz)	± 35°	± 35°
Crosstalk (below rated power 20Hz to 1kHz)	> 80dB	> 80dB
Common Mode Rejection (20Hz to 1Khz)	> 50dB	> 50dB
Maximum Input Level (before input compression)	+20dBu	+20dBu
Load impedance	70V (4/8/16 Ohm)	70V (4/8/16 Ohm)
Voltage Gain (at maximum level settings) (8/4 ohm operation)	20:1 (26dB)	20:1 (26dB)
Power Draw at Idle (120VAC mains: standby mode)	58W	58W

