

Powerflex Amplifiers

POWERFLEX 470 FOUR CHANNEL 70V



Today's 70 Volt commercial amplification systems are likely to be a multi-zoned system requiring more than one channel or a pair of channels of amplification. Powerflex models 470 and 670 provide four and six channels of power amplification with power ratings sufficient to drive multiple speakers and eliminate the need for external output transformers on the power amplifier.

The Powerflex-470 is a four channel amplifier capable of 4 zone operation delivering 250W per channel and the Powerflex-670 has six channels capable of a 6 zone operation with a 200W per channel rating. Channels of both amplifiers may be bridged in pairs for 140 Volt applications.

Both amplifiers use the Powerflex Series high-speed MOSFET switching design with spread spectrum switching technology and are housed in a 3RU high chassis. Modular input panels with level controls and euroblock connectors are installed on the rear panel. Speaker connections are made with screw terminal output connectors. A two speed cooling fan maintains airflow from front to back. Each channel has signal, clip, thermal and protect LEDs located on the front panel.

FEATURES:

- Four Channel Amplifier— 250W/Ch @ 70V, 500W/Ch @ 140V
- Six Channel Amplifier -200W/Ch 70V, 400W/Ch @ 140V
- All 70V Multichannel System Applications
- High-Speed Switched MosFet Output Design with Spread Spectrum Switching Technology
- Superior Efficiency Over Conventional Linear Amplifiers
- Input Module with Level Controls Located on Rear Panel
- Switchable HPF on Inputs
- Euroblock Input Connections
- Screw Terminal Output Connections
- Individual Channel Front Panel Level and Protection Indicators
- Multiple Protection Circuits
- Exceptional Audio Fidelity
- Bridgeable Channel Pairs
- Internal Modular Design
- Quiet, Two-Speed Fan
- Front In/Rear Out Channeled Air- Flow

POWERFLEX 670 SIX CHANNEL 70V



POWERFLEX 70V AMPLIFIER SPECIFICATIONS:

470 Rated Per Channel, Two Channels Driven
70V: 300 Watts RMS
140V (Mono Bridged, 1-Channel): 600 Watts RMS

470: Rated Per Channel, Four Channels Driven
70V: 250 Watts RMS
140V (Mono Bridged, 2-Channels): 500 Watts RMS

670 Power Output: (Rated Per Channel, Two Channels Driven)
Rated Per Channel, Two Channels Driven
70V: 300 Watts RMS
140V (Mono Bridged-1, Channel): 600 Watts RMS

670: Rated Per Channel, Six Channels Driven
70V: 200 Watts RMS
140V (Mono Bridged, 3 channels): 400 Watts RMS

Frequency response: ± 0.5 dB (20Hz-20kHz, full power)

Input impedance: 10kOhm balanced, 37kOhm unbalanced

Full power input sensitivity: 1.4V RMS (5.1dBu)

Total harmonic distortion: <0.2% (rated power, 8ohms, 20Hz-20kHz)

SMPT E IM distortion (60Hz/7kHz 4:1): <0.2%, 8ohms

Output hum and noise: -100dB from full output (20Hz-20kHz, A-weighted)

High Pass Filter: 80Hz, 12dB/octave

Voltage Gain: 50X (34.0dB)

Crosstalk: < -80dB (20Hz - 1kHz)

Signal Present Signal Sensitivity: 14mV RMS (-34.9dBu)

Cooling: Forced Air, Thermal Sensitive 2-Speed Fan, Front Inlet/Rear Outlet

Connections:
Input: Euroblock
Output: Screw Terminal

Power requirements: 110-125VAC, 220-250VAC, 50/60Hz

Typical Idle Current 470:
120V: 0.94A
240V: 0.48A
Current with Typical Audio Program Material 470: (4 Channels Driven)
120V: 10.0A
240V: 6A

Typical Idle Current 670:
120V: 0.9A
240V: 0.5A
Current with Typical Audio Program Material 670 (6 Channels Driven)
120V: 10.0A
240V: 5.0A

Size: 19"W x 5.25" H x 16.5" D

Weight 470: 45 lbs. net, 52 lbs. shipping

Weight 670: 47 lbs. net, 54 lbs. shipping

Specification conditions are: 120VAC mains at 60Hz, 25° C

