



F6 SERIES

Expandable, multi-channel power amplifiers

4Ω/8Ω AMPLIFIER CARD MODULE FOR USE WITH F6-MF

FM250-4



Description

This amplifier card module is designed to be used with the F6-MF in any configuration from one module to six modules. Each module has 250W of output power and each features a defeatable limiter and high pass filter.

The F6 FM250 series power modules are designed to be 90% efficient allowing the amplifier to run cooler and consume less energy than conventional commercial amplifiers.

Features

Fixed 30Hz High Pass Filter

Selectable Input Sensitivity per Channel, 1V or 2V

30dB per Channel Voltage Gain

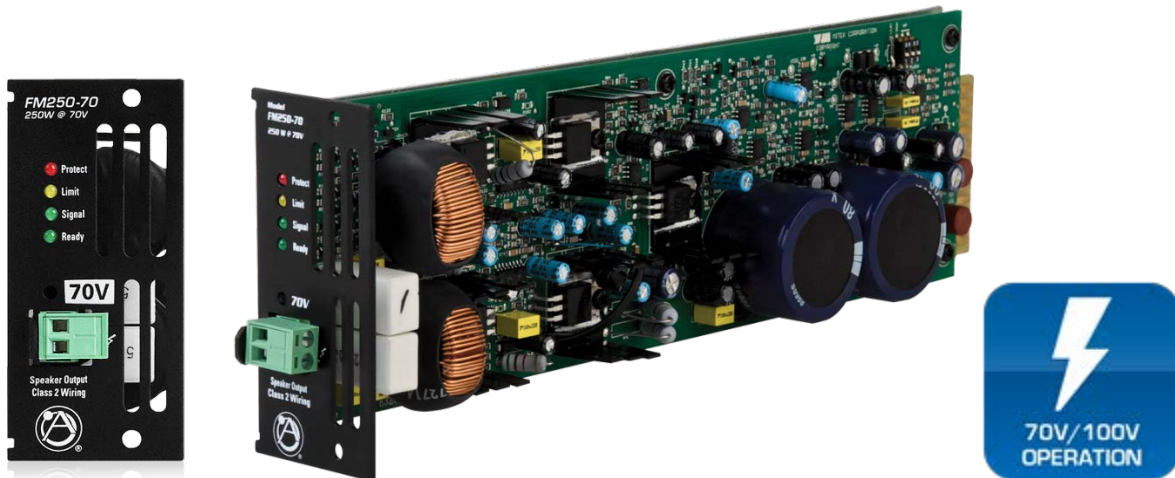
Balanced 20k Input Impedance

Technical Specifications

2 CHANNELS	140W Each	FREQUENCY RESPONSE	30Hz - 20kHz
6 CHANNELS	125W Each	SIGNAL TO NOISE RATIO	-90dB Below Rated Output
1 CHANNEL	300W	HEIGHT	3.4" (86mm)
2 CHANNELS	280W Each	WIDTH	1.5" (38mm)
6 CHANNELS	250W Each	DEPTH	10.4" (264mm)
1 CHANNEL	135W	WEIGHT	0.8 lbs. (0.36kg)
6 CHANNELS	95W Each		
1 CHANNEL	270W		
6 CHANNELS	170W Each		

70V AMPLIFIER CARD MODULE FOR USE IN F6-MF

FM250-70



Description

This amplifier card module is designed to be used with the F6-MF in any configuration from one module to six modules. Each module has 250W of output power and each features a defeatable limiter and high pass filter.

The F6 FM250 series power modules are designed to be 90% efficient allowing the amplifier to run cooler and consume less energy than conventional commercial amplifiers.

Features

Fixed 30Hz High Pass Filter

Selectable Input Sensitivity per Channel, 1V or 2V

30dB per Channel Voltage Gain

Balanced 20k Input Impedance

Technical Specifications

2 CHANNELS	280W Each	SIGNAL TO NOISE RATIO	-90dB Below Rated Output
6 CHANNELS	250W Each	HEIGHT	3.4" (86mm)
1 CHANNEL	270W	WIDTH	1.5" (38mm)
6 CHANNELS	170W Each	DEPTH	10.4" (264mm)
FREQUENCY RESPONSE	30Hz - 20kHz	WEIGHT	.8 lbs. (.36kg)

MIC INPUT LEVEL	40dB Gain
TYPE	Qty 6, Balanced from F6-MF Input
INPUT LEVEL CONTROL	Channels 1-6, Mic/Line, RCA Summed
REMOTE LEVEL CONTROL PORT	Mic/Line and RCA, Qty 2 Removable 2 Position Captive Screw 3.5mm Spacing for Each Port
VOX SENSITIVITY	Sensitivity Range 2mV-20mV
PHANTOM POWER	15VDC
FREQUENCY RESPONSE	20Hz - 20kHz
THD	0.06% at 1kHz Average
DIMENSIONS	1.55" (40mm) x 6.125" (156mm) x 5.34" (135mm)

MULTI-IMPEDANCE MODULAR AMPLIFIER

F6-MF



Description

The AtlasIED F6 Amplifier Mainframe System is the industry's most versatile multi-channel amplifier. An innovative, modular input and 6-bay output section allows the F6 to be easily configured for most 4Ω/8Ω or 70.7V zone amplification applications.

Each module has 250W of output power and each features a defeatable limiter and high pass filter. The F6 FM250 series power modules are designed to be 90% efficient allowing the amplifier to run cooler and consume less energy than conventional commercial amplifiers.

An analog mixer input card is also available to expand the functionality of the F6-MF. Within the F6 frame, a high-current robust global power supply is routed to each output module through quad-ganged connector contacts minimizing the impedance path and allowing for maximum current delivery.

Both front and back panels feature intuitive metering and security covers are included on front input attenuators to prevent tampering.

Features

Modular Input and Output Section

70.7V or 4Ω/8Ω, 250W Amplifier Modules Available

110V-120V/230V-240V Power Supply Allows For Global Operation

Intuitive Metering on Front and Back Panels

Optional Analog Mixer Input Card Available

Security Cover Included for Front Panel Input Attenuation

Fan Assisted Cooling with Rear Intake and Front Exhaust

Light Weight Power Rail Direct Coupling (PRDC) Technology

Ultra-Efficient Class D Amplification Topology

Energy Save Mode, Remote Activation

Technical Specifications

STANDBY	5W
6 CHANNELS LOADED (AVERAGE)	550W, 4.5A, 1876 BTU
6 CHANNELS LOADED (IDLE)	16W, 130mA, 54 BTU
6 CHANNELS LOADED (MAX)	1650W, 14A, 5630 BTU
PROTECTION CIRCUITS	AC Fuse 12A 250V, Thermal, Short Circuit, Limiter, Inrush
WIDTH	19" (483mm)
DEPTH	15.5" (394mm)