



Expandable, multi-channel power amplifiers

# $4\Omega/8\Omega$ 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	30Hz - 20kHz
6 CHANNELS	125W Each	RESPONSE	
1 CHANNEL	300W	SIGNAL TO NOISE	-90dB Below Rated
2 CHANNELS		RATIO	Output
6 CHANNELS	280W Each	HEIGHT	3.4" (86mm)
	250W Each	WIDTH	1.5" (38mm)
1 CHANNEL 6 CHANNELS	135W 95W Each	DEPTH	10.4" (264mm)
1 CHANNEL 6 CHANNELS	270W 170W Each	WEIGHT	0.8 lbs. (0.36kg)

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

# MULTI-FUNCTION ANALOG MIXER CARD INPUT MODULE FOR USE WITH THE F6-MF MODULAR AMPLIFIER

F6-AMIX





### **Description**

The F6-AMIX is an 8 input by 6 output analog mixer card designed for use with the F6-MF. The F6-AMIX module adds increased functionality and value to the F6-MF Multi-Impedance Modular Amplifier, reducing the need for additional external devices for more complex paging and background music systems. The F6-AMIX Multi-Function Analog Input Mixer Card is feature loaded with stereo summed and Mic/Line inputs with global assignment, signal mixing and remote level control, and mute priority capabilities.

### **Features**

Mic/Line Input with Phantom Power

**AUX Input with Stereo Summing** 

Matrix Routing of Mic/Line and AUX Inputs to Any Output

Separate Remote Level Control of Mic and AUX Inputs

Mute Bus with VOX and Contact Closure Muting

## **Technical Specifications**

TYPE Qty 1, Unbalanced

**CONNECTOR TYPE** RCA Left and Right Actively Summed

**INPUT LEVEL** 316mV (-10dBV)

TYPE Qty 1, Balanced Mic or Line Selectable

**CONNECTOR TYPE** Removable 3 Position Captive Screw 3.5mm Spacing

LINE INPUT LEVEL 1V Balanced

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 Mic/Line and RCA, Qty 2 Removable 2 Position Captive Screw 3.5mm Spacing for Each Port

**CONTROL PORT** 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  $4\Omega/8\Omega$  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  $4\Omega/8\Omega$ , 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)