

## Heatsink for amplifier models FMAM5060-5063, FMAM5066-5067, FMAM5069, FMAM5071-5072

The FMAMG5068F is an Aluminum Finned Heatsink with two integrated Cooling Fans that maintain maximum forced air flow for optimum thermal efficiency. Each Cooling Fan is DC controlled and requires a typical voltage level of +28 VDC with DC Current of 1.6 Amps. A DC voltage wire is included with alligator spring clamps to connect with a power supply. Airflow for each fan is rated at 130 CFM per fan and noise is rated at 65.5 dBA per fan. This heatsink/cooling fan module is specifically designed to be used with High Power Amplifier models FMAM5060, FMAM5061, FMAM5062, FMAM5063, FMAM5066, FMAM5067, FMAM5069, FMAM5071, and FMAM5072. This heatsink module is purchased separately and has tapped screw holes on the mounting plate that match the outline mounting holes of these amplifier models. All the necessary mounting hardware is included (M4 round head screws & washers). Step by step mounting instructions are on page 2 below. Pasternack highly recommends using this heatsink/cooling fan assembly with these amplifier models to effectively dissipate generated heat and ensure that the normal baseplate operating temperature range is maintained to ensure optimum and reliable performance.

### Specifications Table

Description	Min	Typ	Max	Units
DC Voltage	24	28	30	Volts
DC Current		1.6		A
Airflow (per fan)		130		CFM
Noise (per fan)		65.5		dBa



### Features:

- Aluminum Finned Heatsink with 2 Integrated Cooling Fans
- Voltage: +28 VDC @ 1.6 Amps Typical
- Airflow: 130 CFM (per fan)
- Noise: 65.5 dBA (per fan)
- Designed Specifically for 9 Pasternack Power Amplifier Models
- Maintains Normal Baseplate Operating Temperature
- Pre-Tapped Mounting Holes
- Mounting Screws and Washers are included

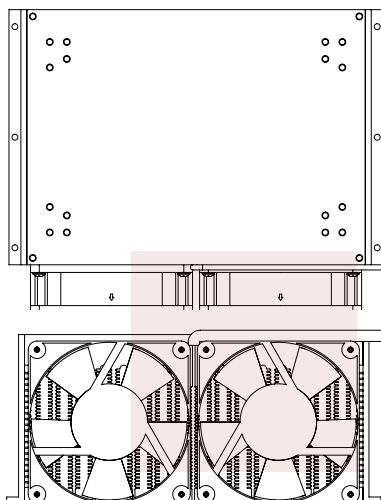
### Applications:

- Military Radio
- Communication Systems
- High Gain Driver Power Amplifier
- Test and Measurement Applications

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## Heatsink Installation Instruction

### 1. Heatsink Outlines:



*Please see CAD drawing for detailed information*

Cooling Fan and Heatsink suitable for: FMAM5060, FMAM5061, FMAM5062, FMAM5063, FMAM5066, FMAM5067, FMAM5069, FMAM5071, and FMAM5072.

### 2. Installation Instructions:

#### 1) Prepare materials:

- 4 pcs of M4 round head screws, each with a flat washer and a split lock washer;
- Thermal grease\*: its thermal conductivity must be  $\geq 4W/m \cdot K$  (watts per meter-kelvin)
- Screwdriver for mounting M4 screws.

\*Thermal grease is not included and must be purchased from another manufacturer

#### 2) Installation steps:

- Apply the thermal grease on the heatsink mounting surface. Its thickness must be as thin as possible ( $< 0.2mm$  is recommended).
- Place the power amplifier module on the heatsink. Press the module down and move it around on the heatsink a few times to ensure a close fit and to eliminate any trapped air pockets.
- Install the M4 screws into the corresponding mounting holes with a Hex screwdriver.

## Mechanical Specifications

### Size

Length	7.8 in [198.12 mm]
Width	5.9 in [149.86 mm]
Height	3.9 in [99.06 mm]
Weight	8.87 lbs [4.02 kg]

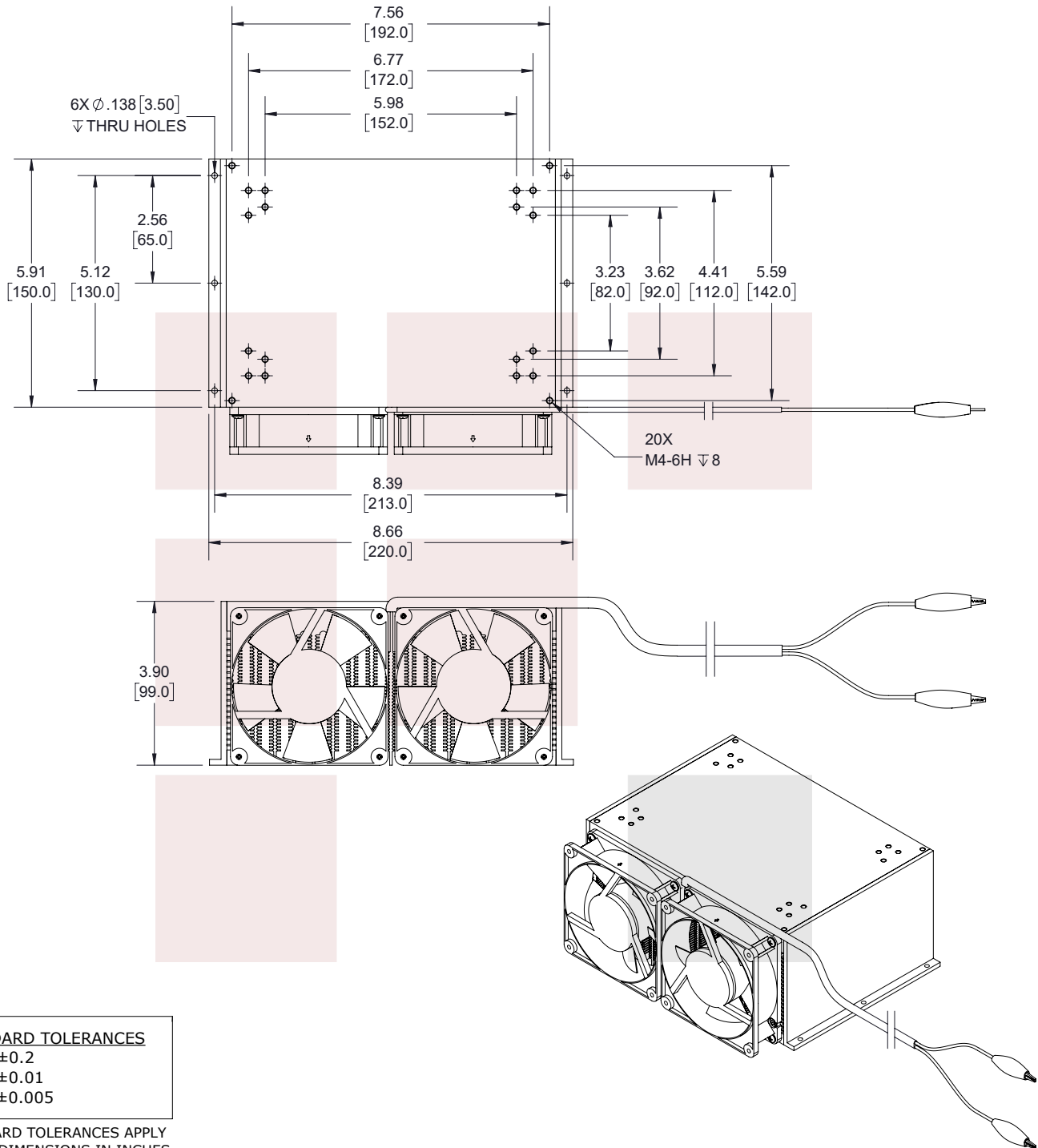
Heatsink for amplifier models FMAM5060-5063, FMAM5066-5067, FMAM5069, FMAM5071-5072 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Heatsink for amplifier models FMAM5060-5063, FMAM5066-5067, FMAM5069, FMAM5071-5072 FMAMG5068F](#)

URL: <https://www.fairviewmicrowave.com/heatsink-for-amplifier-models-fmam5060-5063-fmam5066-5067-fmam5069-fmam5071-5072-fmamg5068f-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





**STANDARD TOLERANCES**

.X  $\pm 0.2$   
.XX  $\pm 0.01$   
.XXX  $\pm 0.005$

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

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DWG NO <b>FMAMG5068F</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	05/09/18	SHEET	1 OF 1
SCALE	N/A	SIZE	A
			7361