



AAVID  
THERMALLOY

## AMD Athlon™ 64 (K8) Processor Fan Heat Sink

### ACTIVE HEAT SINK FOR AMD ATHLON™ 64 3000 AND 3200 2.0 GHz PROCESSOR

Aavid's thermal solution for AMD 3000 and 3200 2.0 GHz Athlon™ 64 (K8) processor. The heat sink is designed for engineers seeking a cost effective solution for mainstream desktop PCs. The heat sink uses a copper core insert into the aluminum extrusion for effective thermal performance and better value than full copper designs.



#### CRITICAL APPLICATION NEEDS:

- *Cost/Performance values*
- *Ability to withstand shock and vibration without damage*
- *Easy to attach*
- *System Reliability*

#### FEATURES AND BENEFITS:

- *Aluminum design with copper insert meets application requirements for performance and value*
- *Rugged light weight design reduces stress on motherboard and simplifies chassis design*
- *Retention clips and pre applied high performance thermal grease allow "No Tools" assembly*
- *Quality fan provides long reliable service life*

#### ORDERING INFORMATION:

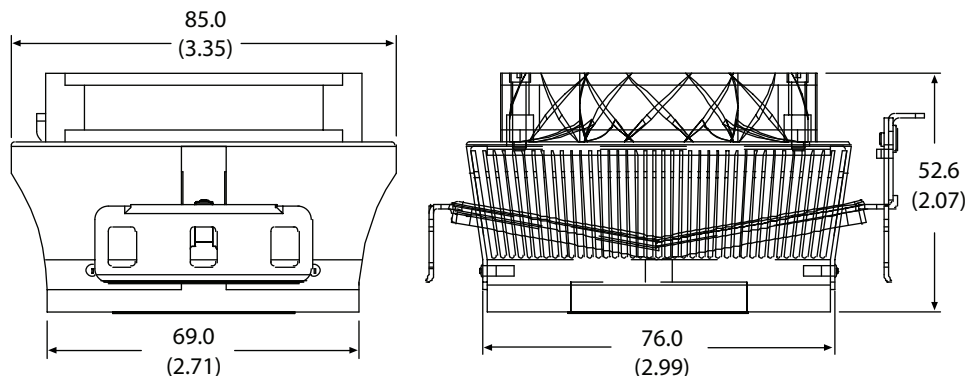
<b>Part Number</b>	<b>Description</b>
1039/C1K8	Fan Heat Sink for AMD Athlon™ 64 (K8) with Mounting Clips

FOR MORE INFORMATION, VISIT OUR WEB SITE: [WWW.AAVIDTHERMALLOY.COM](http://WWW.AAVIDTHERMALLOY.COM)  
TEL: (603) 224-9988



**MECHANICAL DRAWING:**

Dimensions are shown as mm (in)



**PHYSICAL SPECIFICATION:**

<b>Socket Type</b>	754
<b>Construction</b>	Base plate: Alum with Copper slug Fins: Aluminum Extruded
<b>Thermal Interface Material<sup>1</sup></b>	Dow Corning SC 102
<b>Weight with fat</b>	365 Grams
<b>Fan<sup>1</sup></b>	Delta Pt. No. AFB0712HHB Bearing: Material: Plastic (UL 94V-0) Connector: 3P-2510 1 Black: Negative (-) 2 Red: Positive (+) 3 Yellow: Speed Sensor

**PERFORMANCE:**

Description	Value	Units
<b>Thermal Performance</b>		
Power	89	Watts
Case to ambient	0.31	°C/W
<b>Fan</b>		
Speed @ 12V	4300	RPM
Free Flow CFM	37.54	CFM
Noise (fan only)	38.5	dB-A
Operating Voltage	7.0 – 13.8	V
Reliability	50,000	Hrs

**TEST PARAMETERS:**

Test Platform: Aavid's Thermal Test Vehicle  
CPU Power: Up to 89 W  
Follows AMD recommended test specifications

**NOTES:**

1. Substitutes available upon request

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