

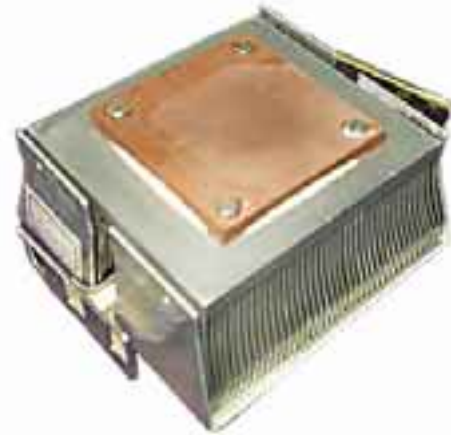


AAVID  
THERMALLOY

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

### ACTIVE HEAT SINK FOR AMD ATHLON™ 64 3400 2.2 GHz PROCESSOR

Aavid's solution for AMD's Athlon™ 64 3400 2.2GHz processor is designed specifically for thermal engineers who require a cost effective solution for high performance desk top systems. The heat sink exceeds AMD's performance requirements while satisfying the value and reliability targets of system designers.



#### CRITICAL APPLICATION NEEDS:

- *Cooling capacity to support processor thermal requirements*
- *Thermal management of adjacent components*
- *High System Reliability*
- *Easy to attach*
- *Low Noise*

#### FEATURES AND BENEFITS:

- *Copper base provides heat spreading for superior cooling performance*
- *Impingement airflow design provides additional airflow for cooling of adjacent components*
- *Quality fan provides long service life*
- *Retention clips and pre applied high performance thermal grease allow "No Tools" assembly*
- *Fan speed can be varied to balance thermal and acoustic performance*

#### ORDERING INFORMATION:

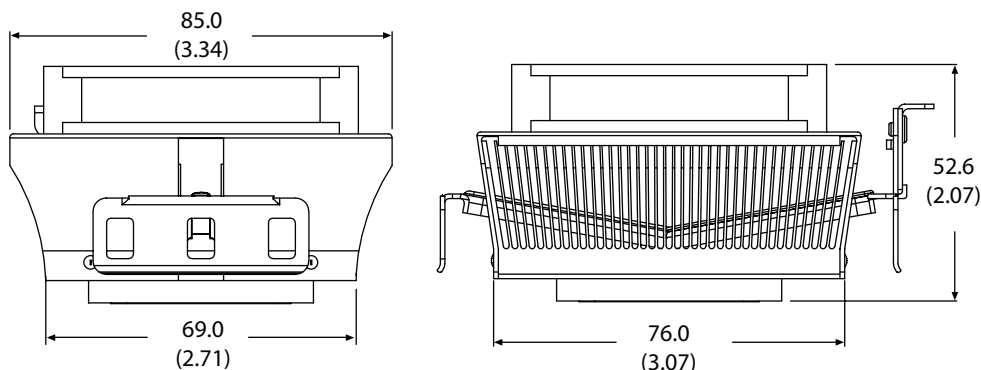
<b>Part Number</b>	<b>Description</b>
1039/CP50SK8-1B1SF	Fan Heat Sink for AMD Athlon™ 64 (K8) ball and sleeve bearing fan and mounting clip
1039/CP50SK8-2BF	Fan Heat Sink for AMD Athlon™ 64 (K8) 2 ball bearing fan and mounting clips

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 plate
	Fins	Aluminum Extruded
<b>Thermal Interface Material<sup>1</sup></b>	Dow Corning SC 102	
<b>Weight</b>	Grams 405	
<b>Fan<sup>1</sup></b>	Delta Pt. No.	See Table
	Bearing:	See Table
	Material:	Plastic (UL 94V-0)
	Connector:	3P-2510
		1 Black: Negative (-)
		2 Red: Positive (+)
		3 Yellow: Speed Sensor

**PERFORMANCE**

	1039/CP50C		Units
	K8-1B1SF	CK8-2BF	
	Value	Value	
<b>Thermal Performance</b>			
Power	89	89	Watts
Case to ambient	0.241	0.26	°C/W
<b>Fan</b>	AFB0712HHB	AFB0712HHB	
	S57V	-F00	
Speed @ 12V	5400	4300	RPM
Free Flow CFM	37.54	37.54	CFM
Noise (fan only)	38.5	38.5	dB-A
Operating Voltage	7.0-13.8	7.0-13.8	V
Reliability	40,000	50,000	Hrs

**NOTES:**

1. Substitutes available upon request

**TEST PARAMETERS:**

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

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