



AAVID
THERMALLOY

Prescott FMB1.5 Processor Fan Heat Sink

Preliminary

ACTIVE HEAT SINK FOR INTEL® PRESCOTT PROCESSOR 3.40GHz AND ABOVE

Aavid's solution for Intel's® Prescott FMB1.5 processor is designed specifically for thermal engineers who struggle to meet the demanding requirements of high performance PCs and workstations. The heat sink meets the demanding thermal performance requirements while maintaining quiet operation and enhancing overall system reliability.



CRITICAL APPLICATION NEEDS:

- *Maximum processor clock speeds*
- *Ability to withstand shock and vibration without damage*
- *High System Reliability*
- *Easy to attach*
- *Ability to meet application specific requirements*
- *Low Noise*

FEATURES AND BENEFITS:

- *Integrated heat pipe provides cooling capacity necessary for maximum processor performance*
- *Rugged light weight design reduces stress on motherboard and simplifies chassis design*
- *Quality fan provides long service life*
- *Pre applied high performance thermal grease eases assembly*
- *Design is scalable and can be adapted to application specification with minimal impact on product time to market*
- *Fan speed can be controlled to balance thermal and acoustic performance*

ORDERING INFORMATION:

Part Number	Description
1002/D	Fan Heat Sink for Prescott FMB1.5 3.40GHz with mounting clips

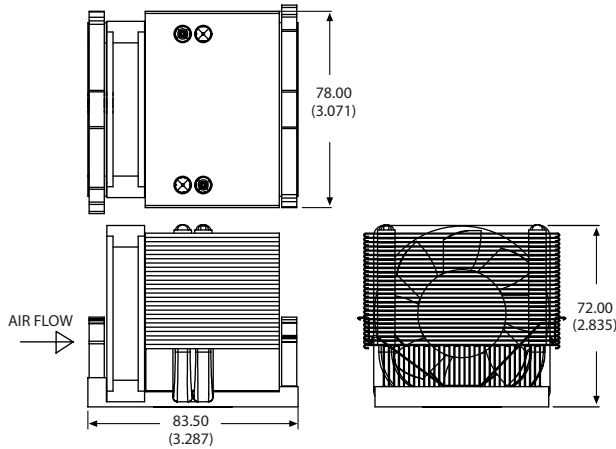
FOR MORE INFORMATION, VISIT OUR WEB SITE: WWW.AAVIDTHERMALLOY.COM
TEL: (603) 224-9988



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MECHANICAL DRAWING:



PHYSICAL SPECIFICATION:

Socket Type	P4/478	
Construction	Base plate	Aluminum
	Fins	Copper lower, Alum upper
Thermal Interface Material¹	Grease Shin Etsu G751	
Weight	380 Grams	
Fan¹	Delta Pt. No. AFB0712HHB-F00	
	Bearing:	2 Ball
	Material:	Plastic (UL 94V-0)
	Connector:	3P-2510
		1 Black: Negative (-) 2 Red: Positive (+) 3 Yellow: Speed Sensor

NOTES:

1. Substitutes available upon request

PERFORMANCE:

	Value	Units
Thermal Performance		
Power	Up to 103	Watts
Case to ambient	0.33	°C/W
Fan		
Speed @ 12V	4500	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: Intel® Prescott Thermal Test Vehicle
 CPU Power: Up to 103W
 Follows Intel® recommended test specifications
 Orientation: Base plate down
 with respect to gravity

North America

80 Commercial Street
 Concord, NH 03301
 TEL: (603) 224-9988
 FAX: (603) 223-1790
 EMAIL: info@aavid.com

Europe - Italy

Via Aprile,32
 40057 Cadriano (BO), Italy
 TEL: (39) 051 764011
 FAX: (39) 051 764090
 EMAIL: sales.it@aavid.com

Europe - England

Cheney Manor
 Swindon
 SN2 2QN
 England
 TEL: 44(0) 1793 401400
 FAX: 44(0)1793 615396
 EMAIL: sales.uk@aavid.com

Asia - Taiwan

14F-4, NO. 79, Hsin Tai Wu RD.
 SEC. 1, Hsi Chih
 Taipei Hsien
 Taiwan
 TEL: 011(886) 2-2698-9888
 FAX: 011(886) 2-2698-9808

Asia - Singapore

5 Woodlands Industrial Park E1
 Singapore 757728
 TEL: 65 -6362-8388
 FAX: 65-6362-8588

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