



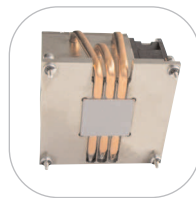
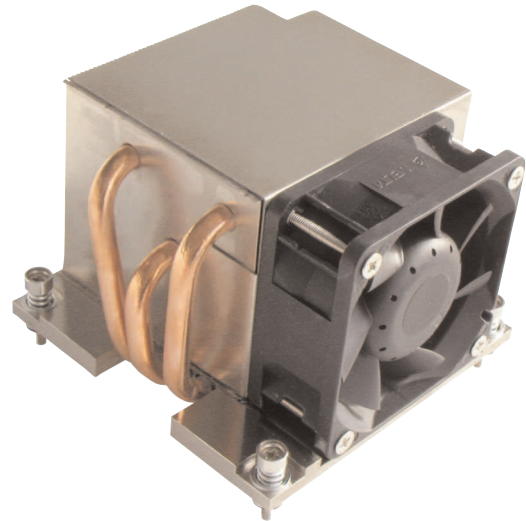
**AAVID  
THERMALLOY**

**Xeon 5500 Series Active 2U  
High Performance Heat Sink**

**RoHS   
Compliant**

**PASSIVE HEAT SINK FOR INTEL®  
XEON 5500 SERIES PROCESSORS**

Aavid's line of 5500 series processor heat sinks are suitable for mainstream desktop PCs. Their unique design removes heat using heat pipes, copper, and aluminum construction. Each heat sink comes with the necessary hardware and thermal interface for quick and easy assembly.



**CRITICAL APPLICATION NEEDS:**

- *Remove heat from the processor*
- *CPU thermal solution is part of the system solution*
- *Proper mechanical force loading*

**FEATURES:**

- *Optimized design and robust construction focusses on rapid heat removal from the chip using heat pipes, copper, and aluminum geometries*
- *This design was developed using an overall system analysis with standard component layout and requirements. This solution met all of the parameters regarding the standard server architecture and allowed for overall system cooling to be achieved*
- *The new LGA1366 package requires the dynamic heat sink loading to be controlled to achieve proper electrical interconnect over long term reliability. These requirements have been achieved with our product*

**ORDERING INFORMATION:**

<b>Part Number</b>	<b>Description</b>
050233	Aluminum heat sink w/ Fan & Heat Pipes
050076	Backing Plate

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



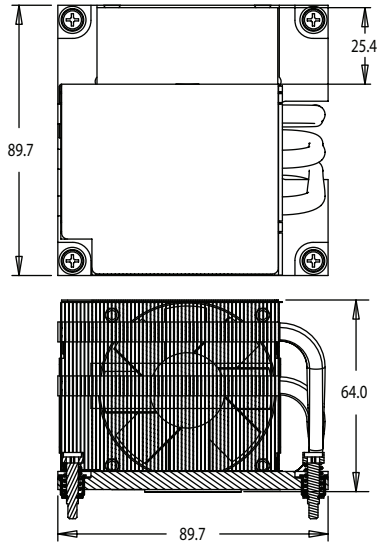
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# Xeon 5500 Series Active 2U High Performance Heat Sink

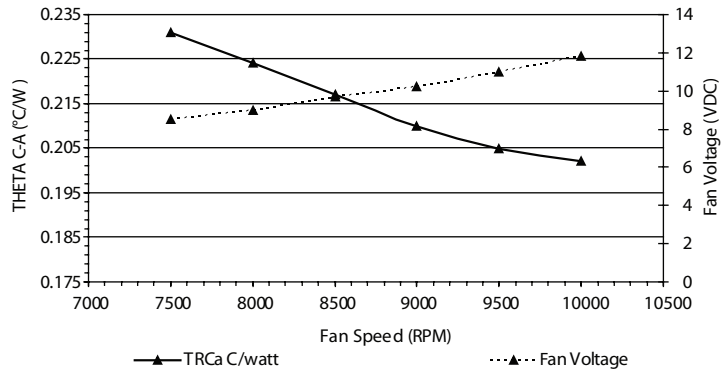
**RoHS Compliant**

## MECHANICAL DRAWING:

Dimensions are shown as mm



## THERMAL PERFORMANCE:



## PHYSICAL SPECIFICATION:

<b>Application</b>	Intel® Xeon 5500 series	
<b>Intel Compatibility</b>	E5540, E5530, E5520, E5506, E5504, E5502, L5520, L5506	
<b>Socket Type</b>	LGA 1366	
<b>Construction</b>	Base	Aluminum Base w/ Heat Pipes
	Fins	Aluminum
<b>Thermal Interface Material<sup>1</sup></b>	Shin-Etsu G751 Grease	
<b>Weight</b>	413.6 Grams	
<b>Mechanical</b>	Designed to meet Intel® shock and vibration requirements	

## FAN SPECIFICATION:

<b>Fan Dimensions</b>	60 x 60 x 25
<b>Fan Speed</b>	9000 ± 10% RPM
<b>Operation Voltage</b>	10.8-13.2 VDC
<b>Acoustical Noise</b>	55dB-A Avg
<b>Life Expectation</b>	70k hrs @ 40°C
<b>Bearing Type</b>	Two Ball Bearings
<b>Housing</b>	Molex 47054-1000 or equivalent
<b>Pin1</b>	Black (-)
<b>Pin2</b>	Yellow (+)
<b>Pin3</b>	Green (Foo)
<b>Pin4</b>	Blue (PWM)

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