



**AAVID  
THERMALLOY**

# Thin-Fin™ Heat Sinks

For computers and custom applications

## LOW PROFILE COPPER HEAT SINKS IDEAL FOR PCI AND AGP CHIP SETS

When space is at a premium, Aavid's Thin-fin heat sinks reduce package case temperature by as much as 20°C. These flexible, copper spreaders attach to the electronic package using pre-applied adhesive, providing an off-the-shelf solution for PCI and AGP chip sets. A laminated dielectric coating prevents shorting, making the Thin-Fin ideal for BGA devices and multimedia applications.



### FEATURES:

- Offer significant cooling with limited headroom
- Pre-applied adhesive for rapid assembly
- Dielectric coating prevents shorting
- Fits many IC package styles

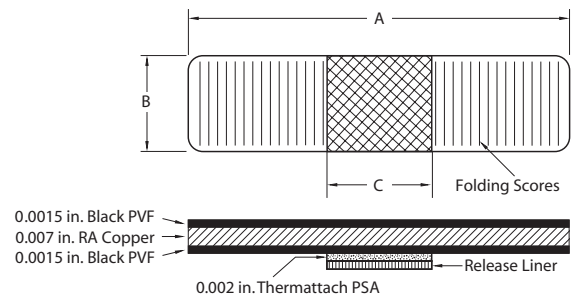
### APPLICATIONS:

- Graphics Processors
- FPGA's
- Embedded Processors
- DSP's
- Any device using a BGA, PGA, or a QFP package

### ORDERING INFORMATION:

Part Number	"A"	"B"	"C"
341600F00000	50.8 (2.00)	12.7 (0.50)	12.7 (0.50)
341700F00000	76.2 (3.00)	12.7 (0.50)	12.7 (0.50)
341800F00000	76.2 (3.00)	19.1 (0.75)	19.1 (0.75)
341900F00000*	76.2 (3.00)	25.4 (1.00)	25.4 (1.00)
342000F00000	101.6 (4.00)	25.4 (1.00)	25.4 (1.00)
342100F00000	101.6 (4.00)	38.1 (1.50)	38.1 (1.50)

\* Recommended for use in cooling microprocessor chip sets, such as PCI and AGP.  
Notes: Dimensions are in mm (inches) Contact our Applications Engineering Department for custom configurations



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



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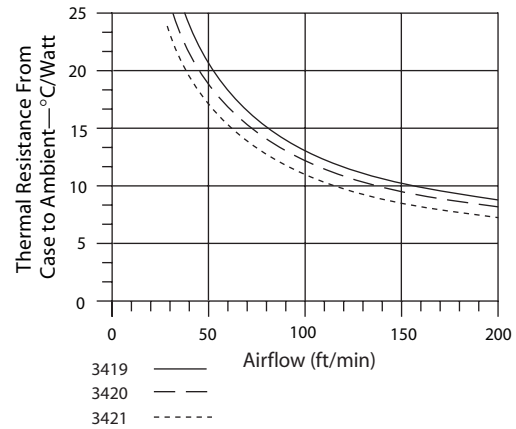
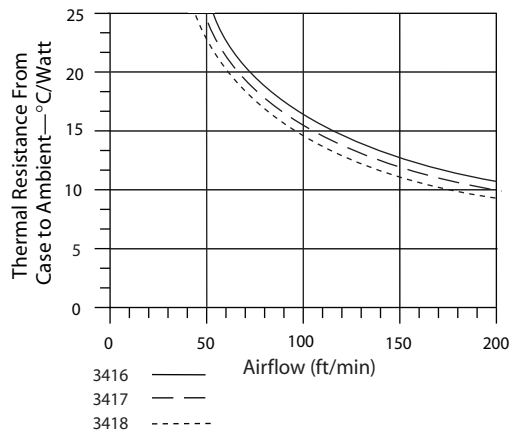
### PRODUCT SPECIFICATIONS:

Properties	Value
Color	Black
Total thickness (including adhesive)	0.33 mm (0.013 inches)
Weight	0.17 g/cm <sup>2</sup> (0.039 oz/in <sup>2</sup> )
Insulator	Polyvinylfluoride
Adhesive	Silicone PSA
Dielectric Strength	>1600 Volts/mil (ASTM D149)
<b>Adhesion Performance</b>	
Lap Shear (at room temperature)	414 kPa (960 oz/in <sup>2</sup> )
Lap Shear (at 100° C)	23 kPa (53 oz/in <sup>2</sup> )
90° Peel (at room temperature)	441 g/cm (40 oz/in)
90° Peel (at 100° C)	220 g/cm (20 oz/in)

Thin-fin heat sinks have passed the following tests: heat aging, high temperature and humidity, temperature cycling, and temperature shock. Thin-fins meet UL 94V-0 flammability specification.



### THERMAL PERFORMANCE:



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