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*

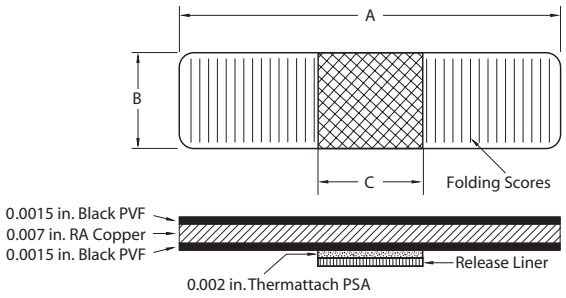
APPLICATIONS:

- *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
TEL: (603) 224-9988

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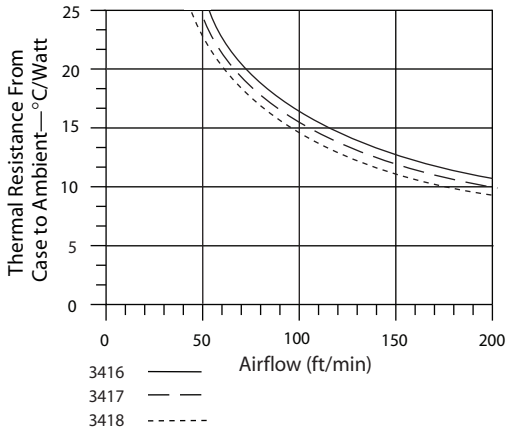
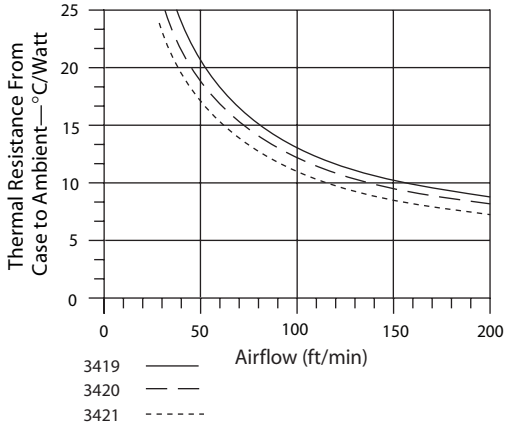
PRODUCT SPECIFICATIONS:

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





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

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