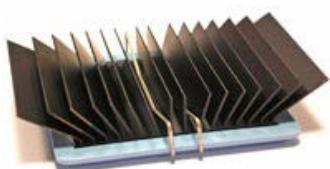


# BGA Heat Sink - High Performance maxiFLOW/maxiGRIP-Low Profile



ATS Part#:

**ATS-51450K-C1-R0**

Description:

45.00 x 45.00 x 14.50 mm BGA Heat Sink - High Performance maxiFLOW/maxiGRIP-Low Profile

Heat Sink Type:

maxiFLOW

Heat Sink Attachment:

maxiGRIP

Equivalent Part Number:

[ATS-51450K-C2-R0](#)

\*Image above is for illustration purpose only.

## Features & Benefits

- maxiFLOW™ design features a low profile, spread fin array that maximizes surface area for more effective convection (air) cooling
- maxiGRIP™ attachment applies steady, even pressure to the component and does not require holes in the PCB
- Meets Telcordia GR-63-Core Office Vibration; ETSI 300 019 Transportation Vibration; and MIL-STD-810 Shock and Unpackaged Drop Testing standards
- Comes preassembled with high performance thermal interface material
- Designed for low profile components from 1.5 to 2.99mm

## Thermal Performance

AIR VELOCITY		@200 LFM 1.0 M/S	@300 LFM 1.5 M/S	@400 LFM 2.0 M/S	@500 LFM 2.5 M/S	@600 LFM 3.0 M/S	@700 LFM 3.5 M/S	@800 LFM 4.0 M/S
THERMAL RESISTANCE	Unducted Flow	2.1 °C/W	1.6 °C/W	1.4 °C/W	1.2 °C/W	1.1 °C/W	1 °C/W	1 °C/W
	Ducted Flow	1.5	N/A	N/A	N/A	N/A	N/A	N/A

## Product Detail

Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	TIM	Finish
	45.00 mm	45.00 mm	14.50 mm	69.6 mm	T412	BLACK- ANODIZED
<b>Notes:</b>						
<ul style="list-style-type: none"><li>• Dimension A and B refer to component size.</li><li>• Dimension C is the heat sink height from the bottom of the base to the top of the fin field.</li><li>• ATS-51450K-C2-R0 is the exact heat sink assembly with an equivalent thermal interface material (Saint-Gobain C675).</li><li>• Thermal performance data are provided for reference only. Actual performance may vary by application.</li><li>• ATS reserves the right to update or change its products without notice to improve the design or performance.</li><li>• ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant.</li><li>• Optional maxiGRIP™ Installation/Removal Tool Set P/N: <b>MGT450</b></li><li>• Contact ATS to learn about custom options available.</li></ul>						

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For more information, to find a distributor or to place an order, please contact us at 781-769-2800 (North America), [sales@qats.com](mailto:sales@qats.com) or [www.qats.com](http://www.qats.com).

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