

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



ATS Part#:
Description:

**ATS-51375R-C1-R0**  
37.50 x 37.50 x 19.50 mm BGA Heat Sink - High Performance maxiFLOW/maxiGRIP-Low Profile

Heat Sink Type:
Heat Sink Attachment:

maxiFLOW  
maxiGRIP

Equivalent Part Number:

ATS-51375R-C2-R0 Discontinued

*\*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, phase changing, 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	1.7 °C/W	1.4 °C/W	1.3 °C/W	1.2 °C/W	1.1 °C/W	1 °C/W
	Ducted Flow	1.6	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
<p><i>*Image above is for illustration purpose only.</i></p>	37.50 mm	37.50 mm	19.50 mm	65.2 mm	T766	BLACK- ANODIZED
<b>Notes:</b> <ul style="list-style-type: none"> <li>Dimension <b>A</b> and <b>B</b> refer to component size.</li> <li>Dimension <b>C</b> is the heat sink height from the bottom of the base to the top of the fin field.</li> <li>ATS-51375R-C2-R0 is the exact heat sink assembly with an equivalent thermal interface material (Saint Gobain C1100F). NOTE: Saint Gobain C1100F is discontinued effective 12/31/10.</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>MGT375</b></li> <li>Contact ATS to learn about custom options available.</li> </ul>						

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