

# BGA Heat Sink - High Performance maxiFLOW/superGRIP



ATS Part#:

**ATS-X50230G-C1-R0**

Description:

23.00 x 23.00 x 12.50 mm BGA Heat Sink - High Performance maxiFLOW/superGRIP

Heat Sink Type: maxiFLOW

Heat Sink Attachment: superGRIP

Equivalent Part Number: N/A

\*Image above is for illustration purpose only.

## Features & Benefits

- Designed for 23 x 23 mm components
- Requires minimal space around the component's perimeter; ideal for densely populated PCBs
- Allows the heat sink to be detached and reattached without damaging the component or the PCB, an important feature in the event a PCB may need to be reworked
- Strong, uniform attachment force helps achieve maximum performance from phase-changing TIMs
- Eliminates the need to drill mounting holes in the PCB

## 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	6.7 °C/W	5.5 °C/W	4.8 °C/W	4.3 °C/W	3.9 °C/W	3.6 °C/W	3.4 °C/W
	Ducted Flow	5.4	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
	23.00 mm	23.00 mm	12.50 mm	41.5 mm	T766	BLUE-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>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>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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