

# BGA Heat Sink - High Performance Ultra Low Profile



ATS Part#: **ATS-60003-C1-R0**  
Description: 58.20 x 61.00 x 7.00 mm BGA Heat Sink - High Performance Ultra Low Profile  
Heat Sink Type: Ultra Low profile  
Heat Sink Attachment: Thermal Tape  
Equivalent Part Number: ATS-60003-C2-R0

\*Image above is for illustration purpose only.

## Features & Benefits

- blueICE™ heat sinks feature an ultra low profile for tough-to-cool applications
- Designed for high performance in low air velocities
- Ideal for telecommunications applications where space is limited
- Comes preassembled with high performance thermal interface material

## 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	2.2 °C/W	1.8 °C/W	1.6 °C/W	1.5 °C/W	1.4 °C/W	1.3 °C/W	29.9 °C/W
	Ducted Flow	1.4	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
	58.20 mm	61.00 mm	7.00 mm	87.1 mm	T412	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>ATS-60003-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>Contact ATS to learn about custom options available.</li></ul>						

\*Image above is for illustration purpose only.

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).

© 2013 Advanced Thermal Solutions, Inc. | 89-27 Access Road | Norwood MA | 02062 | USA