

BGA Heat Sink - High Performance Ultra Low Profile



ATS Part#: **ATS-60001-C1-R0**
 Description: 37.60 x 37.60 x 4.00 mm BGA Heat Sink - High Performance Ultra Low Profile

Heat Sink Type: Ultra Low profile
 Heat Sink Attachment: Thermal Tape
 Equivalent Part Number: ATS-60001-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 | 7.8 °C/W | 6.1 °C/W | 4.9 °C/W | 4.1 °C/W | 3.6 °C/W | 3.1 °C/W | 2.8 °C/W |
| | Ducted Flow | 3.8 | 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> | 37.60 mm | 37.60 mm | 4.00 mm | 56 mm | T412 | BLUE-ANODIZED |
| <p>Notes:</p> <ul style="list-style-type: none"> • Dimension A and B refer to component size. • Dimension C is the heat sink height from the bottom of the base to the top of the fin field. • ATS-60001-C2-R0 is the exact heat sink assembly with an equivalent thermal interface material (Saint-Gobain C675). • Thermal performance data are provided for reference only. Actual performance may vary by application. • ATS reserves the right to update or change its products without notice to improve the design or performance. • ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant. • Contact ATS to learn about custom options available. | | | | | | |

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

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



ATS ADVANCED
THERMAL
SOLUTIONS, INC.
Innovations in Thermal Management®