BGA Heat Sink - High Performance Straight Fin w/maxiGRIP





ATS Part#: **ATS-53375K-C1-R0**

Description: 37.50 x 37.50 x 14.50 mm BGA Heat Sink - High Performance Straight Fin

w/maxiGRIP

Heat Sink Type: Straight Fin
Heat Sink Attachment: maxiGRIP

Equivalent Part Number: ATS-53375K-C2-R0 Discontinued

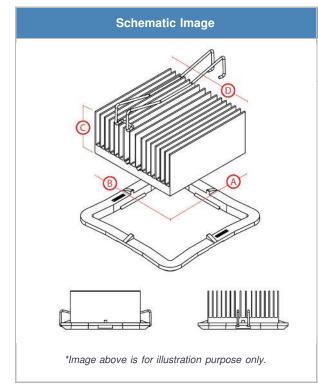
Features & Benefits

- High aspect ratio, straight fin heat sinks that are ideal for compact PCB environments
- maxiGRIP™ attachment applies steady, even pressure to the component and does not require holes in the PCB
- Designed specifically for BGAs and other surface mount packages
- Meets Telcordia GR-63-Core Office Vibration; ETSI 300 019 Transportation Vibration; and MIL-STD-810 Shock Testing and Unpackaged Drop Testing standards
- Comes preassembled with high performance, phase changing, 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 | 5 °C/W | 3.6 °C/W | 2.9 °C/W | 2.6 °C/W | 2.4 °C/W | 2.2 °C/W | 2 °C/W |
| | Ducted Flow | 2.4 | N/A | N/A | N/A | N/A | N/A | N/A |

Product Detail



| Dimension A | Dimension B | Dimension C | Dimension D | TIM | Finish |
|-------------|-------------|-------------|-------------|------|----------------|
| 37.50 mm | 37.50 mm | 14.50 mm | N/A mm | T766 | BLACK-ANODIZED |

Notes:

- 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-53375K-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.
- 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.
- Optional maxiGRIP™ Installation/Removal Tool Set P/N: MGT170
- 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.



^{*}Image above is for illustration purpose only.