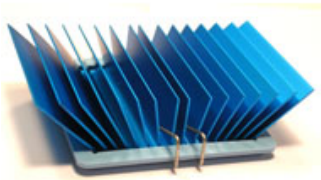


BGA Heat Sink - High Performance maxiFLOW/maxiGRIP-STD



**Image above is for illustration purpose only.*

| | |
|-------------------------|---|
| ATS Part#: | ATS-50450P-C1-R0 |
| Description: | 45.00 x 45.00 x 17.50 mm BGA Heat Sink - High Performance maxiFLOW/maxiGRIP-STD |
| Heat Sink Type: | maxiFLOW |
| Heat Sink Attachment: | maxiGRIP |
| Equivalent Part Number: | ATS-50450P-C2-R0 |

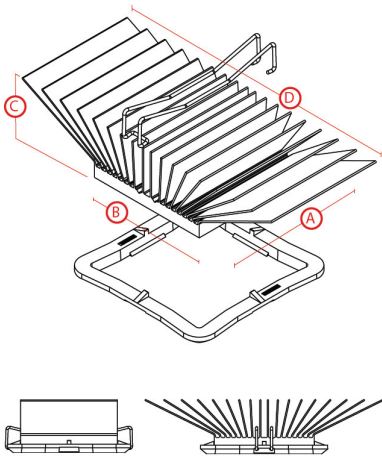
Features & Benefits

- 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 thermal interface material
- Designed for standard height components from 3 to 4.5mm

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 | 1.6 °C/W | 1.3 °C/W | 1.1 °C/W | 1 °C/W | 0.9 °C/W | 0.9 °C/W | 0.8 °C/W |
| | Ducted Flow | 1.3 | 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 |
|---|-------------|-------------|-------------|-------------|------|---------------|
|  | 45.00 mm | 45.00 mm | 17.50 mm | 76.5 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-50450P-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.Optional maxiGRIP™ Installation/Removal Tool Set P/N: MGT450Contact ATS to learn about custom options available. | | | | | | |

**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 or www.qats.com.

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