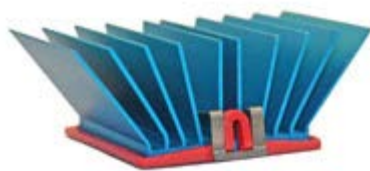


# BGA Heat Sink - High Performance maxiFLOW/superGRIP



ATS Part#: **ATS-X50170G-C1-R0**  
 Description: 17.00 x 17.00 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 17x 17 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<br>1.0 M/S | @300 LFM<br>1.5 M/S | @400 LFM<br>2.0 M/S | @500 LFM<br>2.5 M/S | @600 LFM<br>3.0 M/S | @700 LFM<br>3.5 M/S | @800 LFM<br>4.0 M/S |
|--------------------|---------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| THERMAL RESISTANCE | Unducted Flow | 11.1 °C/W           | 9.1 °C/W            | 7.9 °C/W            | 7.1 °C/W            | 6.5 °C/W            | 6 °C/W              | 5.7 °C/W            |
|                    | Ducted Flow   | 9                   | 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>   | 17.00 mm    | 17.00 mm    | 12.50 mm    | 31.9 mm     | T766 | BLUE-ANODIZED |
| <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Dimension <b>A</b> and <b>B</b> refer to component size.</li> <li>• Dimension <b>C</b> 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> |             |             |             |             |      |               |

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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