

# BGA Heat Sink - High Performance maxiFLOW w/Thermal Tape



|                         |                                                                                  |
|-------------------------|----------------------------------------------------------------------------------|
| ATS Part#:              | ATS-52375B-C1-R0                                                                 |
| Description:            | 37.50 x 37.50 x 7.50 mm BGA Heat Sink - High Performance maxiFLOW w/Thermal Tape |
| Heat Sink Type:         | maxiFLOW                                                                         |
| Heat Sink Attachment:   | Thermal Tape                                                                     |
| Equivalent Part Number: | ATS-52375B-C2-R0                                                                 |

\*Image above is for illustration purpose only.

## Features & Benefits

- maxiFLOW™ design features a low profile, spread fin array that maximizes surface area for more effective convection (air) cooling
- Fabricated from extruded aluminum, which minimizes thermal resistance from the base to the fins, reduces weight and keeps costs low
- Higher performance helps ensure reliable product life at a lower cost than other extruded heat sinks

## 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 | 4.9 °C/W            | 3.6 °C/W            | 3 °C/W              | 2.7 °C/W            | 2.5 °C/W            | 2.3 °C/W            | 2.1 °C/W            |
|                    | Ducted Flow   | 3.3                 | 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        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|------|---------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 37.50 mm    | 37.50 mm    | 7.50 mm     | 50.36 mm    | T412 | 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>• ATS-52375B-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.