

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



|                         |   |
|-------------------------|---|
| ATS Part#:              | ATS-52290P-C1-R0  |
| Description:            | 29.00 x 29.00 x 17.50 mm BGA Heat Sink - High Performance maxiFLOW w/Thermal Tape |
| Heat Sink Type:         | maxiFLOW  |
| Heat Sink Attachment:   | Thermal Tape  |
| Equivalent Part Number: | ATS-52290P-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 | 3.5 °C/W            | 2.8 °C/W            | 2.5 °C/W            | 2.2 °C/W            | 2 °C/W              | 1.9 °C/W            | 1.8 °C/W            |
|                    | Ducted Flow   | 2.8                 | 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        |
|---|-------------|-------------|-------------|-------------|------|---------------|
|   | 29.00 mm    | 29.00 mm    | 17.50 mm    | 51.74 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-52290P-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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Advanced Thermal Solutions:](#)

[ATS-52290P-C1-R0](#)