

# High Performance ASIC Cooling Solutions



ATS Part#: **ATS-56002-C4-R0**  
Description: maxiFLOW Heat Sink, NO TIM, BLACK-ANODIZED

Heat Sink Type: maxiFLOW  
Heat Sink Attachment: THERMAL TAPE  
Equivalent Part Number:

*\*Image above is for illustration purpose only.*

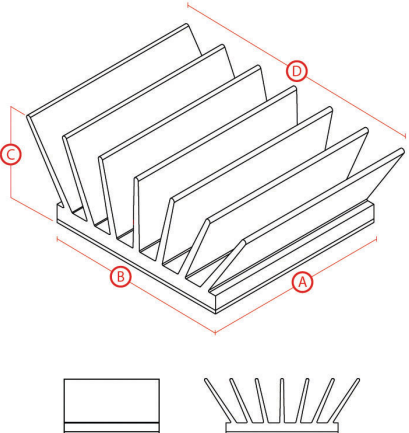
## Features & Benefits

- **maxiFLOW™** design features a low profile, spread fin array that maximizes surface area for more effective convection (air) cooling
- Designed specifically for ASIC package and their unique cooling requirements
- Also available with thermal interface material (TIM) applied to the base of the heat sink. Contact ATS for TIM options available.

## 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 | 9.00 °C/W           | 7.50 °C/W           | 6.00 °C/W           | 5.50 °C/W           | 5.00 °C/W           | 4.50 °C/W           | 3.90 °C/W           |
|                    | Ducted Flow   | 5.20                | 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         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|--------|----------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 25.0 mm     | 25.0 mm     | 4.0 mm      | 27.0 mm     | NO TIM | BLACK-ANODIZED |
| <p><b>Notes:</b></p> <ul style="list-style-type: none"><li>• Dimension <b>A</b> and <b>B</b> refer to heat sink length and width</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> |             |             |             |             |        |                |

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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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