

# High Performance ASIC Cooling Solutions w/Thermal Tape Attachment



|                         |                                           |
|-------------------------|-------------------------------------------|
| ATS Part#:              | <b>ATS-56008-C1-R0</b>                    |
| Description:            | maxiFLOW™ Heat Sink, T412, BLACK-ANODIZED |
| Heat Sink Type:         | maxiFLOW                                  |
| Heat Sink Attachment:   | THERMAL TAPE                              |
| Equivalent Part Number: | ATS-56008-C3-R0                           |

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

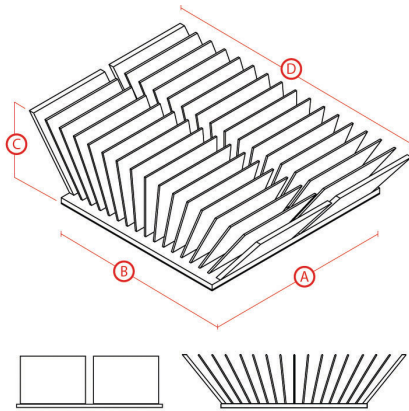
## Features & Benefits

- maxiFLOW™ design features a low profile, spread fin array that maximizes surface area for more effective convection (air) cooling
- Designed specifically for ASIC package and their unique cooling requirements
- Comes pre-assembled with high performance thermal interface material

## 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 | 2.10 °C/W           | 1.60 °C/W           | 1.30 °C/W           | 1.15 °C/W           | 1.00 °C/W           | 0.84 °C/W           | 0.78 °C/W           |
|                    | Ducted Flow   | 1.30                | 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         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|------|----------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 50.0 mm     | 45.0 mm     | 16.0 mm     | 69.0 mm     | T412 | BLACK-ANODIZED |
| <b>Notes:</b> <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>• ATS-56008-C3-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.*

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).

© 2012 Advanced Thermal Solutions, Inc. | 89-27 Access Road | Norwood MA | 02062 | USA



Rev - 121101