

# High Performance ASIC Cooling Solutions w/Thermal Tape Attachment



ATS Part#: **ATS-56002-C1-R0**  
Description: maxiFLOW™ Heat Sink, T412, BLACK-ANODIZED

Heat Sink Type: maxiFLOW  
Heat Sink Attachment: THERMAL TAPE  
Equivalent Part Number: ATS-56002-C3-R0

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

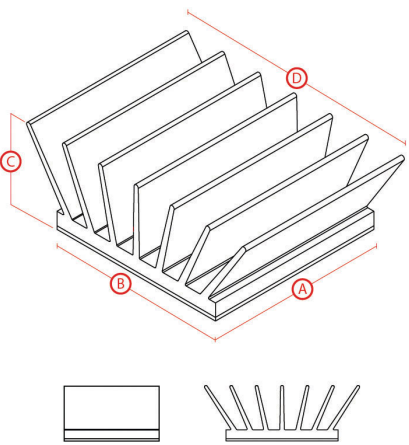
## Features & Benefits

- 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 1.0 M/S	@300 LFM 1.5 M/S	@400 LFM 2.0 M/S	@500 LFM 2.5 M/S	@600 LFM 3.0 M/S	@700 LFM 3.5 M/S	@800 LFM 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	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-56002-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>						

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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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