

BGA Heat Sink - High Performance ASIC Cooling



ATS Part#: **ATS-56013-C1-R0**

Description: 42.00 x 42.00 x 16.00 mm BGA Heat Sink - High Performance ASIC Cooling

Heat Sink Type: ASIC Cooling

Heat Sink Attachment: Thermal Tape

Equivalent Part Number: **ATS-56013-C3-R0**

**Image above is for illustration purpose only.*

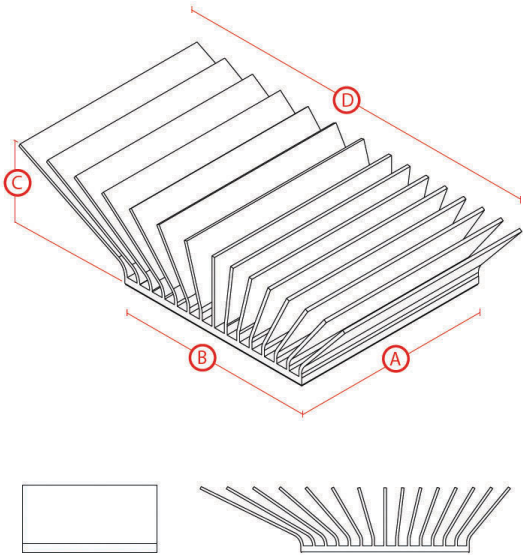
Features & Benefits

- **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 preassembled 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	2.2 °C/W	1.8 °C/W	1.4 °C/W	1.2 °C/W	1.1 °C/W	0.96 °C/W	0.87 °C/W
	Ducted Flow	1.2	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
	42.00 mm	42.00 mm	16.00 mm	77 mm	T412	GOLD-ANODIZED
Notes: • Dimension A and B refer to component size. • Dimension C is the heat sink height from the bottom of the base to the top of the fin field. • ATS-56013-C3-R0 is the exact heat sink assembly with an equivalent thermal interface material (Saint-Gobain C675). • Thermal performance data are provided for reference only. Actual performance may vary by application. • ATS reserves the right to update or change its products without notice to improve the design or performance. • ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant. • Contact ATS to learn about custom options available.						

**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 or www.qats.com.

© 2013 Advanced Thermal Solutions, Inc. | 89-27 Access Road | Norwood MA | 02062 | USA



Mouser Electronics

Authorized Distributor

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

[Advanced Thermal Solutions:](#)

[ATS-56013-C1-R0](#)