BGA Heat Sink - High Performance ASIC Cooling

RoHS COMPLIANT

Image above is for illustration purpose only.

ATS Part#:	**ATS-56007-C1-R0**
Description:	45.00 x 45.00 x 15.00 mm BGA Heat Sink - High Performance ASIC Cooling
Heat Sink Type:	ASIC Cooling
Heat Sink Attachment:	Thermal Tape
Equivalent Part Number:	ATS-56007-C3-R0

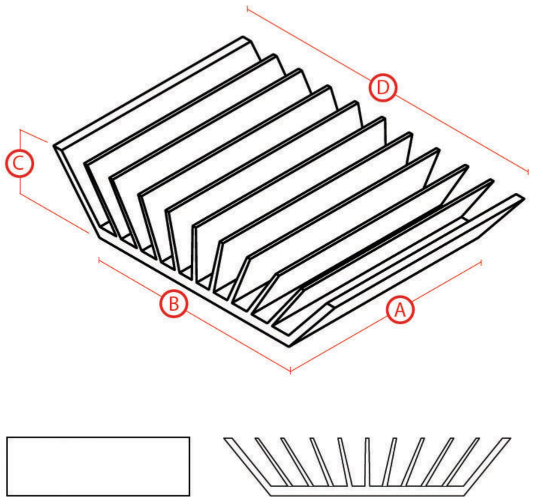
Features & Benefits

- **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	2.4 °C/W	2 °C/W	1.7 °C/W	1.5 °C/W	1.3 °C/W	1.2 °C/W	1.1 °C/W
	Ducted Flow	1.7	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
 *Image above is for illustration purpose only.*	45.00 mm	45.00 mm	15.00 mm	64 mm	T412	BLACK-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-56007-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.

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**.

| 89-27 Access Road | Norwood MA | 02062 | USA

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