

BGA Heat Sink - High Performance Device Specific - NXP



ATS Part#:	ATS-59003-C1-R0
Description:	32.00 x 50.00 x 12.00 mm BGA Heat Sink - High Performance Device Specific - NXP
Heat Sink Type:	NXP
Heat Sink Attachment:	maxiGRIP
Equivalent Part Number:	ATS-59003-C2-R0 Discontinued

**Image above is for illustration purpose only.*

Features & Benefits

- Designed for flip-chip processors such as NXP MPCs
- maxiGRIP™ attachment applies steady, even pressure to the component and does not require holes in the PCB
- Comes preassembled with high performance, phase changing, 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	3.8 °C/W	3 °C/W	2.6 °C/W	2.3 °C/W	2.1 °C/W	2 °C/W	1.9 °C/W
	Ducted Flow	2.4	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
	32.00 mm	50.00 mm	12.00 mm	71.3 mm	T766	BLACK-ANODIZED
Notes: <ul style="list-style-type: none"> 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-59003-C2-R0 is the exact heat sink assembly with an equivalent thermal interface material (Saint Gobain C1100F). NOTE: Saint Gobain C1100F is discontinued effective 12/31/10. 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. Optional maxiGRIP™ Installation/Removal Tool Set P/N: MGT170 Contact ATS to learn about custom options available. 						

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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 or www.qats.com.

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