

BGA Heat Sink - High Performance maxiFLOW/maxiGRIP-STD



*Image above is for illustration purpose only.

ATS Part#:	ATS-50210P-C1-R0
Description:	21.00 x 21.00 x 17.50 mm BGA Heat Sink - High Performance maxiFLOW/maxiGRIP-STD
Heat Sink Type:	maxiFLOW
Heat Sink Attachment:	maxiGRIP
Equivalent Part Number:	ATS-50210P-C2-R0 Discontinued

Features & Benefits

- **maxiFLOW™** design features a low profile, spread fin array that maximizes surface area for more effective convection (air) cooling
- **maxiGRIP™** attachment applies steady, even pressure to the component and does not require holes in the PCB
- Meets Telcordia GR-63-Core Office Vibration; ETSI 300 019 Transportation Vibration; and MIL-STD-810 Shock and Unpackaged Drop Testing standards
- Comes preassembled with high performance, phase changing, thermal interface material
- Designed for standard height components from 3 to 4.5mm

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	5.4 °C/W	4.4 °C/W	3.9 °C/W	3.5 °C/W	3.2 °C/W	3 °C/W	2.8 °C/W
	Ducted Flow	4.3	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
<p>*Image above is for illustration purpose only.</p>	21.00 mm	21.00 mm	17.50 mm	38.2 mm	T766	BLUE-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-50210P-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: MGT210 • 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.

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