

BGA Heat Sink - High Performance maxiFLOW/maxiGRIP-Low Profile



ATS Part#:

ATS-51300K-C1-R0

Description:

30.00 x 30.00 x 14.50 mm BGA Heat Sink - High Performance maxiFLOW/maxiGRIP-Low Profile

Heat Sink Type:

maxiFLOW

Heat Sink Attachment:

maxiGRIP

Equivalent Part Number:

ATS-51300K-C2-R0 Discontinued

**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
- 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 low profile components from 1.5 to 2.99mm

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	4.3 °C/W	3.5 °C/W	3 °C/W	2.7 °C/W	2.5 °C/W	2.3 °C/W	2.2 °C/W
	Ducted Flow	3.4	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
<i>*Image above is for illustration purpose only.</i>	30.00 mm	30.00 mm	14.50 mm	53.3 mm	T766	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-51300K-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: MGT300 - Contact ATS to learn about custom options available.						

Mouser Electronics

Authorized Distributor

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

[Advanced Thermal Solutions:](#)

[ATS-51300K-C1-R0](#)