BGA Heat Sink - High Performance Straight Fin w/maxiGRIP

ATS Part#:   **ATS-53330D-C1-R0**

Description: 33.00 x 33.00 x 9.50 mm BGA Heat Sink - High Performance Straight Fin w/maxiGRIP

Heat Sink Type: Straight Fin
Heat Sink Attachment: maxiGRIP
Equivalent Part Number: ATS-53330D-C2-R0 Discontinued

Image above is for illustration purpose only.

Features & Benefits

- High aspect ratio, straight fin heat sinks that are ideal for compact PCB environments
- **maxiGRIP™** attachment applies steady, even pressure to the component and does not require holes in the PCB
- Designed specifically for BGAs and other surface mount packages
- Meets Telcordia GR-63-Core Office Vibration; ETSI 300 019 Transportation Vibration; and MIL-STD-810 Shock Testing and Unpackaged Drop Testing standards
- 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**	11.1 °C/W	8.1 °C/W	6.8 °C/W	6 °C/W	5.4 °C/W	5 °C/W	4.7 °C/W
	Ducted Flow	5	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
	33.00 mm	33.00 mm	9.50 mm	N/A 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-53330D-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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