# **BGA Heat Sink - High Performance** Straight Fin w/maxiGRIP





ATS Part#: ATS-53330K-C1-R0

Description: 33.00 x 33.00 x 14.50 mm BGA Heat Sink - High Performance Straight Fin

w/maxiGRIP

Heat Sink Type: Straight Fin
Heat Sink Attachment: maxiGRIP

Equivalent Part Number: ATS-53330K-C2-R0 Discontinued

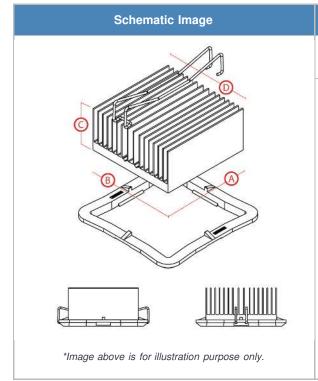
#### **Features & Benefits**

- 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	5.8 °C/W	4.4 °C/W	3.7 °C/W	3.3 °C/W	3 °C/W	2.8 °C/W	2.6 °C/W
	Ducted Flow	3.2	N/A	N/A	N/A	N/A	N/A	N/A

## **Product Detail**



Dimension A	Dimension B	Dimension C	Dimension D	TIM	Finish
33.00 mm	33.00 mm	14.50 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-53330K-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.



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.

<sup>\*</sup>Image above is for illustration purpose only.