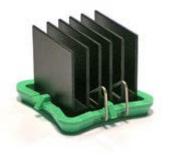
# BGA Heat Sink - High Performance Straight Fin w/maxiGRIP





ATS Part#:

Description:

#### ATS-53190R-C1-R0

19.00 x 19.00 x 19.50 mm  $\,$  BGA Heat Sink - High Performance Straight Fin w/maxiGRIP

Heat Sink Type:Straight FinHeat Sink Attachment:maxiGRIPEquivalent Part Number:ATS-53190R-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**

		@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	8.4 °C/W	6.8 °C/W	5.9 °C/W	5.3 °C/W	4.9 °C/W	4.5 °C/W	4.3 °C/W
	Ducted Flow	5.3	N/A	N/A	N/A	N/A	N/A	N/A

## **Product Detail**

Schematic Image	Dimension A	Dimension B	Dimension C	Dimension D	ТІМ	Finish
	19.00 mm	19.00 mm	19.50 mm	N/A mm	T766	BLACK-ANODIZED
Image above is for illustration purpose only.	<ul> <li>Dimension</li> <li>ATS-5319 (Saint Go</li> <li>Thermal p applicatio</li> <li>ATS resense performant</li> <li>ATS certifier</li> <li>Optional priority</li> </ul>	bain C1100F). NOT performance data ar n. rves the right to upd	height from the botto act heat sink assem E: Saint Gobain C11 e provided for refere ate or change its pro hk assembly is RoHS tion/Removal Tool S	bly with an equivale 00F is discontinued ence only. Actual pe oducts without notice S-6 and REACH cor Set P/N: <b>MGT170</b>	ent therma effective rformance e to impre	al interface material 12/31/10. e may vary by

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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