

BGA Heat Sink - High Performance Cross-Cut Tape On



ATS Part#: **ATS-55190R-C1-R0**
 Description: 19.00 x 19.00 x 19.50 mm BGA Heat Sink - High Performance Cross-Cut Tape On

Heat Sink Type: **Cross-cut**
 Heat Sink Attachment: **Tape On**
 Equivalent Part Number: **ATS-55190R-C2-R0**

**Image above is for illustration purpose only.*

Features & Benefits

- High efficiency cross-cut fin design provides low pressure drop characteristics
- Large surface area increases heat sink performance
- Designed for BGAs and surface mount packages
- Comes preassembled with high performance 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	9.2 °C/W	NA °C/W	NA °C/W	NA °C/W	NA °C/W	NA °C/W	NA °C/W
	Ducted Flow	0	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
	19.00 mm	19.00 mm	19.50 mm	N/A mm	T412	BLACK-ANODIZED
<p>Notes:</p> <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-55190R-C2-R0 is the exact heat sink assembly with an equivalent thermal interface material (Saint-Gobain C675). • 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. • Contact ATS to learn about custom options available. 						

**Image above is for illustration purpose only.*

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.

© 2013 Advanced Thermal Solutions, Inc. | 89-27 Access Road | Norwood MA | 02062 | USA



ATS ADVANCED THERMAL SOLUTIONS, INC.
 Innovations in Thermal Management®