

# High Performance BGA Cooling Solutions w/ Thermal Tape Attachment



ATS Part#: **ATS-55210R-C1-R0**  
 Description: High Performance X-CUT - Heat Sink, T412, BLACK-ANODIZED

Heat Sink Type: **Cross-Cut**  
 Heat Sink Attachment: **THERMAL TAPE**  
 Equivalent Part Number: **ATS-55210R-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 specifically for BGAs and other surface mount packages
- Comes pre-assembled 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	8.40 °C/W	7.58 °C/W	6.66 °C/W	6.02 °C/W	5.55 °C/W	5.18 °C/W	4.89 °C/W
	Ducted Flow	n/a	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
<p><i>*Image above is for illustration purpose only.</i></p>	21.0 mm	21.0 mm	19.5 mm	mm	T412	BLACK-ANODIZED
<p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Dimension <b>A</b> and <b>B</b> refer to component size.</li> <li>• Dimension <b>C</b> is the heat sink height from the bottom of the base to the top of the fin field.</li> <li>• ATS-55210R-C2-R0 is the exact heat sink assembly with an equivalent thermal interface material (Saint Gobain C675).</li> <li>• Thermal performance data are provided for reference only. Actual performance may vary by application.</li> <li>• ATS reserves the right to update or change its products without notice to improve the design or performance.</li> <li>• ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant.</li> <li>• Contact ATS to learn about custom options available.</li> </ul>						

For more information, to find a distributor or to place an order, please contact us at 781-769-2800 (North America), [sales@qats.com](mailto:sales@qats.com) or [www.qats.com](http://www.qats.com).

© 2012 Advanced Thermal Solutions, Inc. | 89-27 Access Road | Norwood MA | 02062 | USA

