

High Performance BGA Cooling Solutions w/ Thermal Tape Attachment



ATS Part#: **ATS-55400W-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-55400W-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 | 2.65 °C/W | 2.23 °C/W | 1.95 °C/W | 1.76 °C/W | 1.63 °C/W | 1.52 °C/W | 1.44 °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> | 40.0 mm | 40.0 mm | 24.5 mm | 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-55400W-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. | | | | | | |

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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