

BGA Heat Sink (High Aspect Ratio Ext.) Straight Fin



ATS Part#: **ATS012012024-SF-2W**
 Description: 12.00 x 12.00 x 24.00 mm BGA Heat Sink (High Aspect Ratio Ext.) Straight Fin
 Heat Sink Type: **Straight Fin**
 Heat Sink Attachment: **superGRIP**
 Equivalent Part Number: **N/A**

**Image above is for illustration purpose only.*

Features & Benefits

- High aspect ratio, straight fin heat sinks that are ideal for compact PCB environments
- Features a low profile, slant fin array that offers many of the performance benefits of **maxiFLOW™** at a great value
- Higher performance helps ensure reliable product life at a lower cost than other extruded heat sinks
- Comes standard without interface material or with most common pressure sensitive thermal tapes as a custom option

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 | 9.84 °C/W | 8.1 °C/W | 7.1 °C/W | 6.4 °C/W | 6 °C/W | 5.6 °C/W | 5.3 °C/W |
| | Ducted Flow | 7.2 | 6.2 | 5.6 | 5.1 | 4.8 | 4.6 | 4.3 |

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> | 12.00 mm | 12.00 mm | 24.00 mm | 12 mm | N/A | 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. • Dimension D is fin tip to fin tip. • 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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