

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



ATS Part#: **ATS019019012-MF-6K**
 Description: 19.00 x 19.00 x 12.00 mm BGA Heat Sink (High Aspect Ratio Ext.) Slant Fin



Heat Sink Type: **Slant Fin**
 Heat Sink Attachment: **N/A**
 Equivalent Part Number: **N/A**

**Image above is for illustration purpose only.*

Features & Benefits

- Features a low profile, slant fin array that offers many of the performance benefits of **maxiFLOW™** at a great value
- Fabricated from extruded aluminum, which minimizes thermal resistance from the base to the fins, reduces weight and keeps costs low
- 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 | 10.21 °C/W | 7.8 °C/W | 6.7 °C/W | 5.9 °C/W | 5.4 °C/W | 5 °C/W | 4.7 °C/W |
| | Ducted Flow | 6.3 | 5.3 | 4.7 | 4.3 | 4 | 3.8 | 3.5 |

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> | 19.00 mm | 19.00 mm | 12.00 mm | 22.54 mm | N/A | BLACK-ANODIZED |
| Notes: <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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