

BGA Heat Sink (High Aspect Ratio Ext.) Custom Pin Fin



ATS Part#: **ATS017017023-PF-5V**
 Description: 17.00 x 17.00 x 23.00 mm BGA Heat Sink (High Aspect Ratio Ext.) Custom Pin Fin

Heat Sink Type: Custom Pin Fin
 Heat Sink Attachment: N/A
 Equivalent Part Number: N/A



**Image above is for illustration purpose only.*

Features & Benefits

- High efficiency pin fin design provides low pressure drop characteristics
- Large surface area increases heat sink performance
- Fabricated from extruded aluminum, which minimizes thermal resistance from the base to the fins, reduces weight and keeps costs low
- 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 | 7.41 °C/W | 6.1 °C/W | 5.3 °C/W | 4.8 °C/W | 4.5 °C/W | 4.2 °C/W | 4 °C/W |
| | Ducted Flow | 5.4 | 4.7 | 4.2 | 3.9 | 3.6 | 3.4 | 3.2 |

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> | 17.00 mm | 17.00 mm | 23.00 mm | 17 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.

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



Rev - 050413