

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



|                         |  |
|-------------------------|--|
| ATS Part#:              | <b>ATS035035015-SF-11N</b>   |
| Description:            | 35.00 x 35.00 x 15.00 mm BGA Heat Sink (High Aspect Ratio Ext.) Straight Fin |
| Heat Sink Type:         | <b>Straight Fin</b>  |
| Heat Sink Attachment:   | <b>N/A</b>   |
| Equivalent Part Number: | <b>N/A</b>   |

\*Image above is for illustration purpose only.

## Features & Benefits

- High aspect ratio, straight fin heat sinks that are ideal for compact PCB environments
- 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<br>1.0 M/S | @300 LFM<br>1.5 M/S | @400 LFM<br>2.0 M/S | @500 LFM<br>2.5 M/S | @600 LFM<br>3.0 M/S | @700 LFM<br>3.5 M/S | @800 LFM<br>4.0 M/S |
|--------------------|---------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| THERMAL RESISTANCE | Unducted Flow | 5.15 °C/W           | 3.2 °C/W            | 2.4 °C/W            | 2.1 °C/W            | 1.8 °C/W            | 1.7 °C/W            | 1.6 °C/W            |
|                    | Ducted Flow   | 2.1                 | 1.7                 | 1.5                 | 1.4                 | 1.3                 | 1.2                 | 1.1                 |

## Product Detail

| Schematic Image  | Dimension A | Dimension B | Dimension C | Dimension D | TIM | Finish         |
|--|-------------|-------------|-------------|-------------|-----|----------------|
|  | 35.00 mm    | 35.00 mm    | 15.00 mm    | 35 mm       | N/A | BLACK-ANODIZED |
| <b>Notes:</b>  |             |             |             |             |     |                |
| <ul style="list-style-type: none"><li>• Dimension A and B refer to component size.</li><li>• Dimension C is the heat sink height from the bottom of the base to the top of the fin field.</li><li>• Dimension D is fin tip to fin tip.</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> |             |             |             |             |     |                |

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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).

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