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

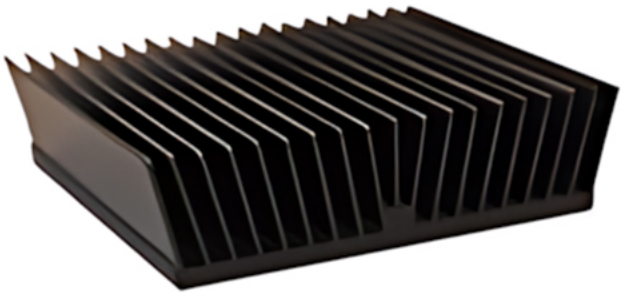
**ATS Part#:** **ATS028028020-MF-9S**

**Description:** 28 X 28 X 20 mm
BGA Heat Sink (High Aspect Ratio Ext.) Slant Fin

**Component:** N/A

**Heat Sink Type:** Slant Fin

**Heat Sink Attachment:** N/A



*Images for illustration purposes only.*

» 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

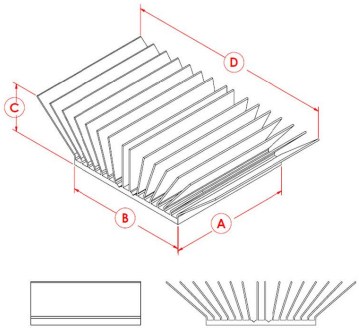
» Comes standard without interface material or with most common pressure sensitive thermal tapes as a custom option

## Thermal Performance

| AIR VELOCITY THERMAL RESISTANCE | @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 |
|---|---|---|---|---|---|---|---|
| Unducted Flow (°C/W) | 5.1 | 3.3 | 2.6 | 2.2 | 2.0 | 1.8 | 1.7 |
| Ducted Flow (°C/W) | 2.3 | 1.9 | 1.7 | 1.5 | 1.4 | 1.4 | 1.3 |

## Product Details

| SCHEMATIC IMAGE | Dimension A | Dimension B | Dimension C | Dimension D | TIM | Finish |
|---|---|---|---|---|---|---|
| | 28.0 mm | 28.0 mm | 20.0 mm | 27.1 mm | N/A | BLACK-ANODIZED |




*All Images are for illustration purposes only.

**NOTES:**

1) Dimension A and B refer to component size
2) Dimension C is the heat sink height from the bottom of the base to the top of the fin field.
3) Dimension D is fin tip to fin tip.
4) Thermal performance data are provided for reference only. Actual performance may vary by application.
5) ATS reserves the right to update or change its products without notice to improve the design or performance.
6) ATS certifies that this heat sink assembly is RoHS and REACH compliant.
7) Contact ATS to learn about custom options available.

R043025

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Innovation in Thermal Management®

For further technical information, please contact Advanced Thermal Solutions, Inc.

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