# BGA Heat Sink - High Performance maxiFLOW w/Thermal Tape



*Image above is for illustration purpose only.*

| | |
|---|---|
| ATS Part#: | **ATS-52210P-C1-R0** |
| Description: | 21.00 x 21.00 x 17.50 mm BGA Heat Sink - High Performance maxiFLOW w/Thermal Tape |
| Heat Sink Type: | maxiFLOW |
| Heat Sink Attachment: | Thermal Tape |
| Equivalent Part Number: | ATS-52210P-C2-R0 |

## Features & Benefits

- **maxiFLOW™** design features a low profile, spread fin array that maximizes surface area for more effective convection (air) cooling
- 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

## 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 | 5.4 °C/W | 4.4 °C/W | 3.9 °C/W | 3.5 °C/W | 3.2 °C/W | 3 °C/W | 2.8 °C/W |
| | Ducted Flow | 4.3 | N/A | N/A | N/A | N/A | N/A | N/A |

## Product Detail

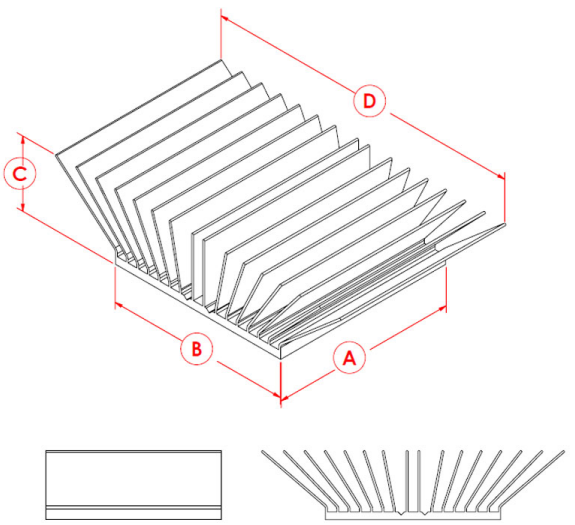
| Schematic Image | Dimension A | Dimension B | Dimension C | Dimension D | TIM | Finish |
|---|---|---|---|---|---|---|
|  | 21.00 mm | 21.00 mm | 17.50 mm | 38.16 mm | T412 | BLUE-ANODIZED |



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**Notes:**

- 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.
- ATS-52210P-C2-R0 is the exact heat sink assembly with an equivalent thermal interface material (Saint-Gobain C675).
- 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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