# High Performance BGA Cooling Solutions w/ Thermal Tape Attachment

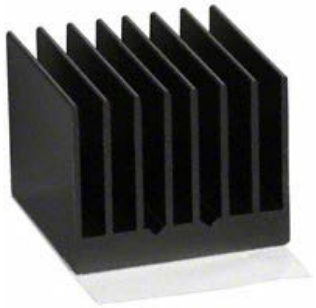


*Image above is for illustration purpose only.*

ATS Part#: **ATS-54250R-C1-R0**

Description: High Performance Extrusion, T412, BLACK-ANODIZED

Heat Sink Type: Straight Fin

Heat Sink Attachment: THERMAL TAPE

Equivalent Part Number: ATS-54250R-C2-R0

## Features & Benefits

- High aspect ratio, straight fin heat sinks that are ideal for compact PCB environments
- Designed specifically for BGAs and other surface mount packages
- Comes pre-assembled with high performance thermal interface material

## 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 | 5.73 °C/W | 4.42 °C/W | 3.78 °C/W | 3.38 °C/W | 3.10 °C/W | 2.88 °C/W | 2.71 °C/W |
| | Ducted Flow | 3.36 | n/a | n/a | n/a | n/a | n/a | n/a |

## Product Detail

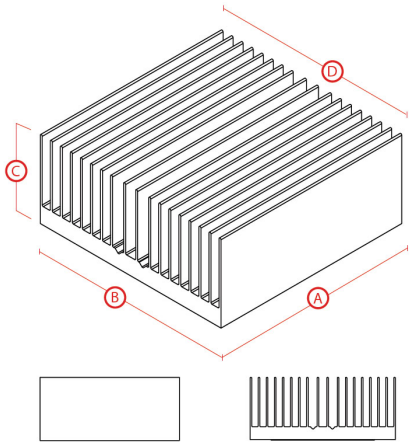
| Schematic Image | Dimension A | Dimension B | Dimension C | Dimension D | TIM | Finish |
|---|---|---|---|---|---|---|
|  | 25.0 mm | 25.0 mm | 19.5 mm | mm | T412 | BLACK-ANODIZED |



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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-54250R-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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