High Performance BGA Cooling Solutions w/ Thermal Tape Attachment





ATS Part#: ATS-54170W-C1-R0

Description: High Performance Extrusion, T412, BLACK-ANODIZED

Heat Sink Type: Straight Fin
Heat Sink Attachment: THERMAL TAPE
Equivalent Part Number: ATS-54170W-C2-R0

*Image above is for illustration purpose only.

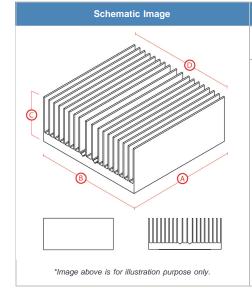
Features & Benefits

- · 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 | 7.10 °C/W | 5.69 °C/W | 4.94 °C/W | 4.46 °C/W | 4.10 °C/W | 3.83 °C/W | 3.62 °C/W |
| | Ducted Flow | 4.50 | n/a | n/a | n/a | n/a | n/a | n/a |

Product Detail



| Dimension A | Dimension B | Dimension C | Dimension D | TIM | Finish |
|-------------|-------------|-------------|-------------|------|----------------|
| 17.0 mm | 17.0 mm | 24.5 mm | mm | T412 | BLACK-ANODIZED |

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-54170W-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.

