# **BGA Heat Sink - High Performance Cross-Cut Tape On**





ATS Part#: ATS-55190D-C1-R0

Description: 19.00 x 19.00 x 9.50 mm BGA Heat Sink - High Performance Cross-Cut Tape On

Heat Sink Type: Cross-cut
Heat Sink Attachment: Tape On

Equivalent Part Number: ATS-55190D-C2-R0

\*Image above is for illustration purpose only.

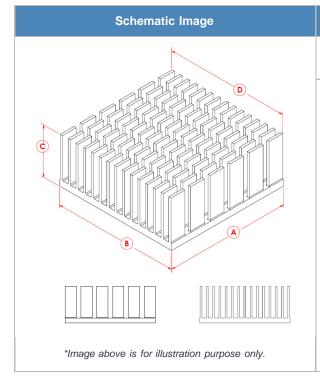
#### **Features & Benefits**

- High efficiency cross-cut fin design provides low pressure drop characteristics
- Large surface area increases heat sink performance
- Designed for BGAs and surface mount packages
- · Comes preassembled with high performance thermal interface material

### **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 | 24 °C/W             | NA °C/W             |
|                    | Ducted Flow   | 0                   | N/A                 | N/A                 | N/A                 | N/A                 | N/A                 | N/A                 |

#### **Product Detail**



| Dimension A | Dimension B | Dimension C | Dimension D | TIM  | Finish         |  |
|-------------|-------------|-------------|-------------|------|----------------|--|
| 19.00 mm    | 19.00 mm    | 9.50 mm     | N/A 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-55190D-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.



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