BGA Heat Sink - High Performance
Straight Fin w/Thermal Tape

ATS Part#: ATS-54270D-C1-R0
Description: 27.00 x 27.00 x 9.50 mm BGA Heat Sink - High Performance Straight Fin w/Thermal Tape

Heat Sink Type: Straight Fin
Heat Sink Attachment: Thermal Tape
Equivalent Part Number: ATS-54270D-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 preassembled with high performance thermal interface material

Thermal Performance

<table>
<thead>
<tr>
<th>AIR VELOCITY</th>
<th>@200 LFM 1.0 M/S</th>
<th>@300 LFM 1.5 M/S</th>
<th>@400 LFM 2.0 M/S</th>
<th>@500 LFM 2.5 M/S</th>
<th>@600 LFM 3.0 M/S</th>
<th>@700 LFM 3.5 M/S</th>
<th>@800 LFM 4.0 M/S</th>
</tr>
</thead>
<tbody>
<tr>
<td>THERMAL RESISTANCE</td>
<td>Unducted Flow</td>
<td>14.1 °C/W</td>
<td>10.8 °C/W</td>
<td>9.3 °C/W</td>
<td>8.2 °C/W</td>
<td>7.5 °C/W</td>
<td>7 °C/W</td>
</tr>
<tr>
<td>Ducted Flow</td>
<td>7</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Product Detail

<table>
<thead>
<tr>
<th>Schematic Image</th>
<th>Dimension A</th>
<th>Dimension B</th>
<th>Dimension C</th>
<th>Dimension D</th>
<th>TIM</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>27.00 mm</td>
<td>27.00 mm</td>
<td>9.50 mm</td>
<td>N/A mm</td>
<td>T412</td>
<td>BLACK-ANODIZED</td>
<td></td>
</tr>
</tbody>
</table>

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-54270D-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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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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