MODEL: HSB11-252518 | DESCRIPTION: HEAT SINK

FEATURES
- BGA design
- top mount
- aluminum alloy
- black anodized finish

FEATURES
- BGA design
- top mount
- aluminum alloy
- black anodized finish

RoHS

MODEL

<table>
<thead>
<tr>
<th>MODEL</th>
<th>thermal resistance</th>
<th>power dissipation</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSB11-252518</td>
<td>@ 75°C ΔT, nat conv (°C/W)</td>
<td>@ 1 W, nat conv (°C/W)</td>
</tr>
<tr>
<td></td>
<td>13.70</td>
<td>16.8</td>
</tr>
</tbody>
</table>

Note: 1. See performance curves for full thermal resistance details.

PERFORMANCE CURVES

Heatsink Temperature Rise Above Ambient (ΔT = Ths - Ta) (°C)

<table>
<thead>
<tr>
<th>Power (W)</th>
<th>Natural Conv.</th>
<th>200 LFM</th>
<th>400 LFM</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>16.8</td>
<td>4.5</td>
<td>3.1</td>
</tr>
<tr>
<td>2</td>
<td>32.2</td>
<td>8.9</td>
<td>6.0</td>
</tr>
<tr>
<td>3</td>
<td>45.5</td>
<td>13.4</td>
<td>9.0</td>
</tr>
<tr>
<td>4</td>
<td>58.8</td>
<td>18.1</td>
<td>12.1</td>
</tr>
<tr>
<td>5</td>
<td>69.7</td>
<td>22.5</td>
<td>15.0</td>
</tr>
<tr>
<td>6</td>
<td>81.5</td>
<td>27.2</td>
<td>18.0</td>
</tr>
<tr>
<td>7</td>
<td>91.6</td>
<td>31.5</td>
<td>21.0</td>
</tr>
<tr>
<td>8</td>
<td>102.1</td>
<td>36.5</td>
<td>23.9</td>
</tr>
<tr>
<td>9</td>
<td>112.1</td>
<td>41.0</td>
<td>27.0</td>
</tr>
<tr>
<td>10</td>
<td>122.1</td>
<td>45.9</td>
<td>30.1</td>
</tr>
</tbody>
</table>

Ths: “hot spot” temperature measured on the heatsink
Ta: ambient temperature

cuidevices.com
MECHANICAL DRAWING

units: mm
tolerance: ±0.38 mm

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>AL 6063-T5</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINISH</td>
<td>black anodized</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>12.5 g</td>
</tr>
</tbody>
</table>

Additional Resources:    Product Page    |    3D Model
The revision history provided is for informational purposes only and is believed to be accurate.