MODEL: HSB06-181810 | DESCRIPTION: HEAT SINK

FEATURES
- BGA design
- small footprint
- aluminum alloy
- black anodized finish

```
RoHS
```

**MODEL**

```
<table>
<thead>
<tr>
<th></th>
<th>@ 75°C ΔT, nat conv (°C/W)</th>
<th>@ 1 W, nat conv (°C/W)</th>
<th>@ 1 W, 200 LFM (°C/W)</th>
<th>@ 1 W, 400 LFM (°C/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSB06-181810</td>
<td>23.68</td>
<td>29.1</td>
<td>8.8</td>
<td>6.1</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>29.1</td>
<td>8.8</td>
<td>8.1</td>
</tr>
<tr>
<td>2</td>
<td>52.2</td>
<td>17.3</td>
<td>12.0</td>
</tr>
<tr>
<td>3</td>
<td>72.8</td>
<td>25.8</td>
<td>17.9</td>
</tr>
<tr>
<td>4</td>
<td>91.8</td>
<td>34.1</td>
<td>23.6</td>
</tr>
<tr>
<td>5</td>
<td>109.5</td>
<td>42.6</td>
<td>29.6</td>
</tr>
</tbody>
</table>

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

---

Additional Resources:  [Product Page] | [3D Model]
MECHANICAL DRAWING

units: mm
tolerance: ±0.38 mm

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>AL 6063-T5</th>
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<tbody>
<tr>
<td>FINISH</td>
<td>black anodized</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>3.7 g</td>
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</table>

Additional Resources:    Product Page |    3D Model
REVISION HISTORY

<table>
<thead>
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<th>rev.</th>
<th>description</th>
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<tr>
<td>1.0</td>
<td>initial release</td>
<td>06/24/2021</td>
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<tr>
<td>1.01</td>
<td>logo, datasheet style update</td>
<td>08/05/2022</td>
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The revision history provided is for informational purposes only and is believed to be accurate.