**MODEL:** HSB15-404010 | **DESCRIPTION:** HEAT SINK

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

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- BGA design
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**PERFORMANCE CURVES**

<table>
<thead>
<tr>
<th>Power (W)</th>
<th>Natural Conv.</th>
<th>200 LFM</th>
<th>400 LFM</th>
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<td>0</td>
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<td>0</td>
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<td>1</td>
<td>14.8</td>
<td>3.9</td>
<td>2.6</td>
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<td>2</td>
<td>28.2</td>
<td>7.5</td>
<td>5.0</td>
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<tr>
<td>3</td>
<td>40.7</td>
<td>11.4</td>
<td>7.5</td>
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<tr>
<td>4</td>
<td>52.3</td>
<td>15.2</td>
<td>10.0</td>
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<tr>
<td>5</td>
<td>62.0</td>
<td>19.0</td>
<td>12.5</td>
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<td>6</td>
<td>72.5</td>
<td>23.0</td>
<td>15.0</td>
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<tr>
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<td>82.3</td>
<td>26.6</td>
<td>17.4</td>
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<td>91.1</td>
<td>30.6</td>
<td>20.0</td>
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<td>100.7</td>
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<td>10</td>
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<td>38.5</td>
<td>25.0</td>
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**Thermal Resistance**

<table>
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<tr>
<th>@ 75°C ΔT, nat conv. (°C/W)</th>
<th>@ 1 W, 200 LFM (°C/W)</th>
<th>@ 1 W, 400 LFM (°C/W)</th>
<th>@ 1 W, nat conv. (°C/W)</th>
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</thead>
<tbody>
<tr>
<td>HSB15-404010</td>
<td>11.84</td>
<td>14.8</td>
<td>3.9</td>
</tr>
<tr>
<td>2.6</td>
<td>6.33</td>
<td></td>
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</tr>
</tbody>
</table>

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**Power Dissipation**

@ 75°C ΔT, nat conv. (W)

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

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**Thermal Resistance**

- Without Airflow
- 200 LFM
- 400 LFM

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**Additional Resources:** | Product Page | 3D Model

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Ths: "hot spot" temperature measured on the heatsink
Ta: ambient temperature

cudevices.com
## REVISION HISTORY

<table>
<thead>
<tr>
<th>rev.</th>
<th>description</th>
<th>date</th>
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<tr>
<td>1.0</td>
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<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.