64500

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Height: 1.06 in (26.92 mm)
Width: 5.90 in (149.86 mm)
Perimeter: 52.60 in
Material: 6063-T5 Aluminum Extrusion Alloy
RoHS: Compliant. Cut extrusion parts with a G in the part number are compliant.

Weight: 3.3 lb per foot (4.91 kg per meter)

Thermal Data based on 3 in. length 3 inches in mm

Natural Convection: 1.33 based on 70°C temp rise above ambient
Thermal resistance is calculated based on a single 1" (25.4mm) square heat source centered on the heat sink. If you have distributed loads, then you can expect 10% better performance in natural convection and 20% better performance in forced convection.

### Natural Convection

<table>
<thead>
<tr>
<th>Power Dissipated (W)</th>
<th>Heat Sink Temperature Rise Above Ambient (°C)</th>
<th>Heat Sink Thermal Resistance (°C/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>7.5</td>
<td>11.2</td>
<td>1.25</td>
</tr>
<tr>
<td>12.5</td>
<td>22.5</td>
<td>2.5</td>
</tr>
<tr>
<td>17.5</td>
<td>33.8</td>
<td>3.75</td>
</tr>
<tr>
<td>22.5</td>
<td>45.0</td>
<td>5.00</td>
</tr>
</tbody>
</table>

### Forced Convection

Forced convection is calculated using thermal resistances at single 1" (25.4mm) square heat source centered on the heat sink. If you have distributed loaded, then you can expect 10% better performance in natural convection and 20% better performance in forced convection.

<table>
<thead>
<tr>
<th>Air Flow (m/s)</th>
<th>Heat Sink Temperature Rise Above Ambient (°C)</th>
<th>Heat Sink Thermal Resistance (°C/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>2.0</td>
<td>6.2</td>
<td>0.06</td>
</tr>
<tr>
<td>3.0</td>
<td>18.8</td>
<td>0.16</td>
</tr>
<tr>
<td>4.1</td>
<td>36.5</td>
<td>0.36</td>
</tr>
<tr>
<td>5.1</td>
<td>62.9</td>
<td>0.56</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Air Flow (LFM)</th>
<th>Heat Sink Temperature Rise Above Ambient (°C)</th>
<th>Heat Sink Thermal Resistance (°C/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>400</td>
<td>6.2</td>
<td>0.06</td>
</tr>
<tr>
<td>600</td>
<td>18.8</td>
<td>0.16</td>
</tr>
<tr>
<td>800</td>
<td>36.5</td>
<td>0.36</td>
</tr>
<tr>
<td>1000</td>
<td>62.9</td>
<td>0.56</td>
</tr>
</tbody>
</table>

Lead Time (for in stock inventory)
Raw extrusion 3-5 business days
Cut extrusion 2-3 weeks

**CUSTOM CUT EXTRUSION**

<table>
<thead>
<tr>
<th>SELECT CUT LENGTH</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Black Anodized</td>
</tr>
</tbody>
</table>

**PRICE PER PIECE:**

<table>
<thead>
<tr>
<th>PART NUMBER: 64500</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUILD PART</td>
</tr>
</tbody>
</table>

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**REQUEST QUOTE**

**PART NUMBER:**

- **FULL BAR LENGTH:** 8.00FT (2.44M) UNFINISHED
  - PRICE PER FOOT: 645001F00000
  - BUILD PART

- **HALF BAR LENGTH:** 4FT (1.22M) UNFINISHED
  - PRICE PER FOOT: 645002F00000
  - BUILD PART

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