**EXTRUDED HEAT SINKS FOR DC/DC CONVERTERS**

**SERIES 557, 558 & 559**

<table>
<thead>
<tr>
<th>Standard P/N</th>
<th>Footprint Dimensions in. (mm)</th>
<th>Height in. (mm)</th>
<th>Fin Orientation</th>
<th>Number of Fins</th>
<th>Forced Convection Thermal Resistance at 300 ft/min (C/W)</th>
<th>Natural Convection Power Dissipation (Watts)</th>
<th>40°C Rise Heat Sink to Ambient</th>
</tr>
</thead>
<tbody>
<tr>
<td>557-140AB</td>
<td>4.60 (116.8) x 2.40 (61.0)</td>
<td>1.40 (35.6)</td>
<td>Horizontal</td>
<td>6</td>
<td>1.3</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>558-75AB</td>
<td>2.40 (61.0) x 4.60 (116.8)</td>
<td>0.75 (19.1)</td>
<td>Vertical</td>
<td>16</td>
<td>1.8</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>559-50AB</td>
<td>2.40 (61.0) x 4.60 (116.8)</td>
<td>0.50 (12.7)</td>
<td>Vertical</td>
<td>27</td>
<td>2.2</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

Material: Aluminum, Black Anodized

- Standard mounting hole pattern mates with Vicor DC/DC converters.
- Aluminum extruded fin construction keeps DC/DC converter modules cool in both forced and natural convection applications.
- Three fin heights, two flow direction options.
- Black anodized finish standard.

**MECHANICAL DIMENSIONS**

**PRODUCT DESIGNATION**

**SERIES 557**

- Dimensions: in. (mm)

**SERIES 558**

- Dimensions: in. (mm)

**SERIES 559**

- Dimensions: in. (mm)
# Extruded Heat Sinks for DC/DC Converters

## SERIES 517, 527, 518 & 528

<table>
<thead>
<tr>
<th>P/N</th>
<th>Standard Description</th>
<th>For Use with Series</th>
<th>Footprint Dimensions in. (mm)</th>
<th>Height in. (mm)</th>
<th>Fin Orientation</th>
<th>Number of Fins</th>
<th>Natural Convection Power Dissipation (Watts)</th>
<th>60°C Rise Heat Sink to Ambient at 300 ft/min (C/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>517-95AB</td>
<td>Spool-shaped insulator</td>
<td>300, 400, 600, 111, 113</td>
<td>2.28 (57.9) x 2.40 (61.0)</td>
<td>0.95 (24.1)</td>
<td>Horizontal</td>
<td>8</td>
<td>11W</td>
<td>2.0</td>
</tr>
<tr>
<td>527-45AB</td>
<td>Spool-shaped insulator</td>
<td>300, 400, 600, 111, 113</td>
<td>2.28 (57.9) x 2.40 (61.0)</td>
<td>0.45 (11.4)</td>
<td>Horizontal</td>
<td>11</td>
<td>7W</td>
<td>3.2</td>
</tr>
<tr>
<td>518-95AB</td>
<td>Spool-shaped insulator</td>
<td>300, 400, 600, 111, 113</td>
<td>2.40 (61.0) x 2.28 (57.9)</td>
<td>0.95 (24.1)</td>
<td>Vertical</td>
<td>8</td>
<td>11W</td>
<td>2.0</td>
</tr>
<tr>
<td>528-45AB</td>
<td>Spool-shaped insulator</td>
<td>300, 400, 600, 111, 113</td>
<td>2.40 (61.0) x 2.28 (57.9)</td>
<td>0.45 (11.4)</td>
<td>Vertical</td>
<td>11</td>
<td>7W</td>
<td>3.2</td>
</tr>
<tr>
<td>528-24AB</td>
<td>Spool-shaped insulator</td>
<td>300, 400, 600, 111, 113</td>
<td>2.40 (61.0) x 2.28 (57.9)</td>
<td>0.24 (6.1)</td>
<td>Vertical</td>
<td>11</td>
<td>5W</td>
<td>5.8</td>
</tr>
</tbody>
</table>

### THERMAL PERFORMANCE
- **THERMAL PERFORMANCE**
- **FORCED CONVECTION**
- **HEAT SINK TO AMBIENT**
- **HEAT SINK TO AMBIENT AT 300 FT/MIN (C/W)**

### Material:
- Aluminum, Black Anodized

### Notes:
- Standard mounting hole patterns mate with the majority of “half-brick” DC/DC converters on the market.
- Aluminum extruded fin construction keeps DC/DC converter modules cool in both forced and natural convection applications.
- Vertical and horizontal fin configurations available in a variety of heights.
- Black anodized finish standard.
- Integral thermal interface pad option eliminates need to order and install pad separately.
- Ordering a single part number with the hardware kit option provides everything necessary to keep your converter cool.

## Mechanical Dimensions

### 517, 527, 518 AND 528 SERIES

### Mounting Hardware for Extruded Heat Sinks

### 100 SERIES

<table>
<thead>
<tr>
<th>Description</th>
<th>For Use with Series</th>
<th>Mounting Hardware</th>
<th>Material</th>
<th>Hipot Rating (VAC)</th>
<th>Weight lbs. (grams)</th>
</tr>
</thead>
<tbody>
<tr>
<td>103 Spool-shaped insulator</td>
<td>300, 400, 600, 111, 113</td>
<td>#6-32 screw</td>
<td>Teflon</td>
<td>1500</td>
<td>0.00012 (0.05)</td>
</tr>
<tr>
<td>107 Spool-shaped insulator</td>
<td>300, 400, 600, 111, 113</td>
<td>#6-32 screw, nut</td>
<td>Teflon</td>
<td>5000</td>
<td>0.0034 (1.54)</td>
</tr>
</tbody>
</table>

### 103 SERIES

### 107 SERIES
**EXTRUDED HEAT SINKS FOR DC/DC CONVERTERS**

### Footprint Forced Convection

<table>
<thead>
<tr>
<th>P/N</th>
<th>Standard Dimensions in. (mm)</th>
<th>Height in. (mm)</th>
<th>Fin Orientation</th>
<th>Number of Fins</th>
<th>Forced Convection Thermal Resistance at 300 ft/min (C/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>537-95AB</td>
<td>2.28 (57.9) x 1.45 (36.8)</td>
<td>0.95 (24.1)</td>
<td>Horizontal</td>
<td>8</td>
<td>2.1</td>
</tr>
<tr>
<td>537-45AB</td>
<td>2.28 (57.9) x 1.45 (36.8)</td>
<td>0.45 (11.4)</td>
<td>Horizontal</td>
<td>13</td>
<td>2.3</td>
</tr>
<tr>
<td>537-24AB</td>
<td>2.28 (57.9) x 1.45 (36.8)</td>
<td>0.24 (6.1)</td>
<td>Horizontal</td>
<td>14</td>
<td>4.2</td>
</tr>
<tr>
<td>547-95AB</td>
<td>1.45 (36.8) x 2.28 (57.9)</td>
<td>0.95 (24.1)</td>
<td>Vertical</td>
<td>11</td>
<td>2.2</td>
</tr>
<tr>
<td>547-45AB</td>
<td>1.45 (36.8) x 2.28 (57.9)</td>
<td>0.45 (11.4)</td>
<td>Vertical</td>
<td>20</td>
<td>2.1</td>
</tr>
<tr>
<td>547-24AB</td>
<td>1.45 (36.8) x 2.28 (57.9)</td>
<td>0.24 (6.1)</td>
<td>Vertical</td>
<td>22</td>
<td>3.5</td>
</tr>
</tbody>
</table>

- Mounting slots accommodate two hole patterns: 1.86” x 1.03” and 2.00” x 1.20”, fitting the vast majority of quarter-brick converters on the market.
- Designed for optimum use in forced convection applications.
- Vertical and horizontal fin configurations available in a variety of heights. • Black anodized finish standard. • Integral thermal interface pad option eliminates need to order and install pad separately. • Ordering a single part number with the hardware kit option provides everything necessary to keep your converter cool.

### MECHANICAL DIMENSIONS

#### 537 & 547 SERIES

**537 SERIES DIMENSIONS**

- Dimensions: in. (mm)
- HEIGHT: 1.450 [36.82], 1.030 [26.16], 1.125 [28.58]
- MATERIAL: A = ALUMINUM
- FINISH: B = BLACK ANODIZE

**547 SERIES DIMENSIONS**

- Dimensions: in. (mm)
- HEIGHT: 1.450 [36.83], 1.030 [26.16], 1.125 [28.58]
- MATERIAL: A = ALUMINUM
- FINISH: B = BLACK ANODIZE

**PRODUCT DESIGNATION**

- SERIES 537 - 95 - AB - MS4
- THERMAL INTERFACE TYPE:
  - S4 = DELTALINK IV
  - BLANK = NO THERMAL PAD
- HARDWARE KIT:
  - M = M3 X 8mm PHILLIPS HD SEM SCREW, WITH CAPTIVE WASHER: 4
  - H = 4-40 X 5/16” PHILLIPS HD SEM SCREW, WITH CAPTIVE WASHER: 4
  - BLANK = NO FASTENER OPTION: 0

*Dimensions: in. (mm)*