CP Series
Cold Plate Four-pass Heatsink

FEATURES
• Designed for Ohmite products, Pre drilled hole patterns for standard Ohmite planar resistors TAP600/TAP800 and TAP1K0/TAP2K0.
• Design flexibility, Chill Plate lengths can be configured as well as mounting hole patterns to accept a multitude of devices.
• Thermally efficient copper mounting surface for the most efficient heat transfer.

The Ohmite CP4 series Liquid Coldplates are designed for Ohmite heatsinkable type resistors, such as TAP600, TAP800, TA1K0, TA2K0, and various SOT-227 resistor packages. The CP series also provides maximum heat removal for SCRs, rectifiers, diodes, thyristors, and other high-power semiconductor devices. The CP series is customizable to fit multiple applications. Length and mounting hole patterns can be specified.

SERIES SPECIFICATIONS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Mounting Surface Area (in²/mm²)</th>
<th>Weight (oz/g)</th>
<th>Ohmite Resistor Series</th>
<th>Thermal Resistance* (°C/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP4-114A</td>
<td>19.13/12339</td>
<td>28.4/805</td>
<td>TAP600/TAP800</td>
<td>0.018</td>
</tr>
<tr>
<td>CP4-114B</td>
<td>19.13/12339</td>
<td>28.4/805</td>
<td>TAP1K0/TAP2K0</td>
<td>0.018</td>
</tr>
<tr>
<td>CP4-114C</td>
<td>19.13/12339</td>
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</tr>
</tbody>
</table>

* @ flow of 1.5 GPM

CHARACTERISTICS

<table>
<thead>
<tr>
<th>tubing</th>
<th>Copper, 0.375&quot; OD, nominal wall thickness of 0.050&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plate</td>
<td>Aluminum 6063-T5</td>
</tr>
<tr>
<td>Weight</td>
<td>805 g</td>
</tr>
</tbody>
</table>
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HEAT DISSIPATION

Graph data produced using Ohmite TAP2K0.

DIMENSIONS

Custom sizes and bolt configurations are subject to minimums.

HOW TO ORDER

Four Pass

CP4A - 114A - 108E

Cold Plate | Length (mm) | Hole Pattern | Width (mm) | RoHS Compliant
---|---|---|---|---
CP4A-114A-108E | A = no holes | B = TAP600/800 | C = TA1K0/TA2K0 | (assigned sequentially for custom patterns)