

# 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

Part Number	Mounting Surface Area (in <sup>2</sup> /mm <sup>2</sup> )	Weight (oz/g)	Ohmite Resistor Series	Thermal Resistance* (°C/W)
CP4-114A	19.13/12339	28.4/805		0.018
CP4-114B	19.13/12339	28.4/805	TAP600/TAP800	0.018
CP4-114C	19.13/12339	28.4/805	TAP1K0/TAP2K0	0.018

\* @ flow of 1.5 GPM

### CHARACTERISTICS

**Tubing** Copper, 0.375" OD, nominal wall thickness of 0.050"

**Plate** Aluminum 6063-T5

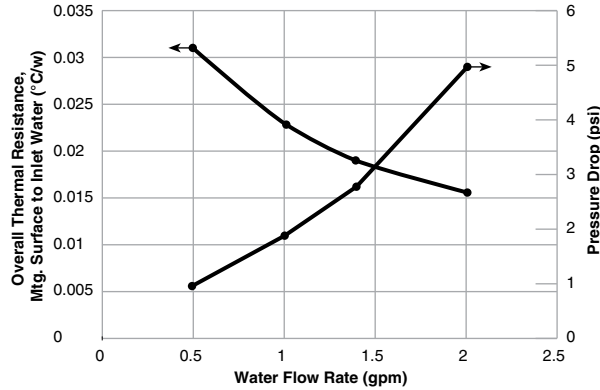
**Weight** 805 g

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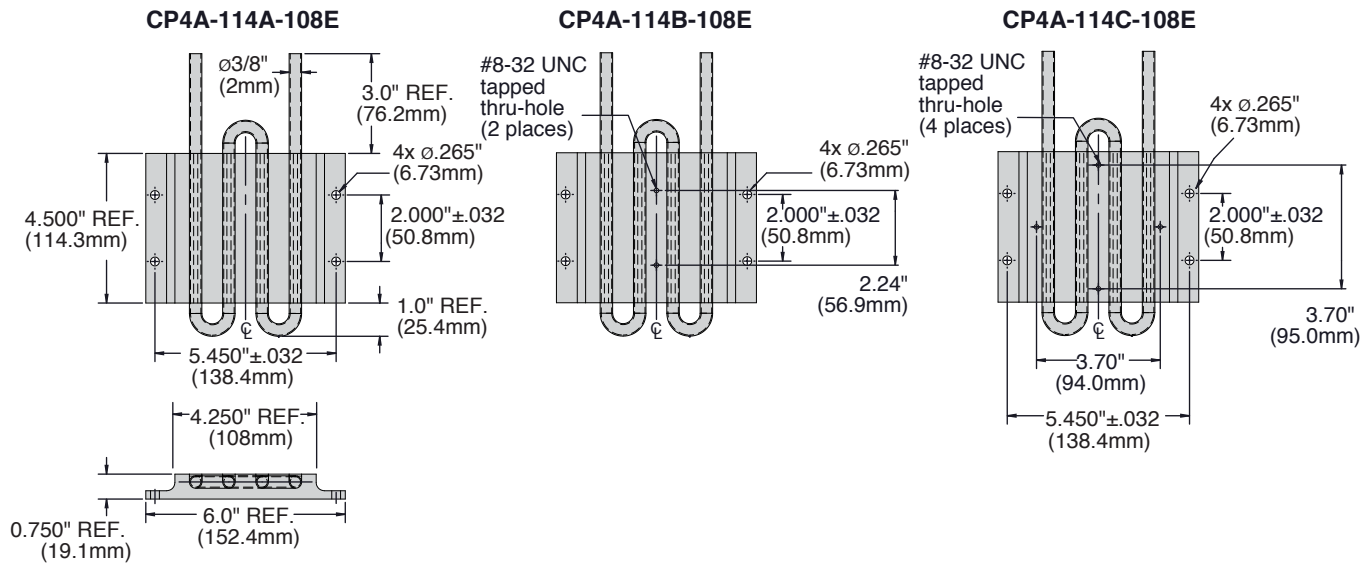
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### HEAT DISSIPATION

a TAP2K0 was used in testing.



### DIMENSIONS



### HOW TO ORDER

Four Pass  
**CP4-114A-108E**  
 Cold Plate Length Hole Pattern Width RoHS  
 (mm) (mm) (mm) Compliant  
 A = no holes  
 B = TAP600/800  
 C = TA1K0/TA2K0  
*(assigned sequentially for custom patterns)*