

Liquid-cooled Cold Plates

Part Number - **417301U00000G**

Standard

Standard liquid-cooled cold plates are available in 2-pass models or 4-pass models for cooling standard or custom power semiconductors in heavy load applications. One-piece copper coolant tubing is mechanically locked and epoxy sealed to the cold plate. This assembly method seals out moisture and other corrosives, providing an excellent thermal path from cold plate to cooling fluid.

Specifications

Plate: Extrusion, 6063-T5 aluminum

Tube: 9.5 mm (0.375") O.D. x .8 mm (0.032") wall, copper

Epoxy: Aluminum filled, high thermal conductivity

Finish: Unfinished standard

Options

Finishes: Gold chromate, clear chromate, Aavgard

Material: Stainless steel tube can be substituted for copper

Length: Custom lengths available



4 Pass Models

Part Number	Length A Dimension	Thermal Resistance At 1.5 GPM
No Flange		
417301U00000G	305 mm (12.0")	0.017 °C/W