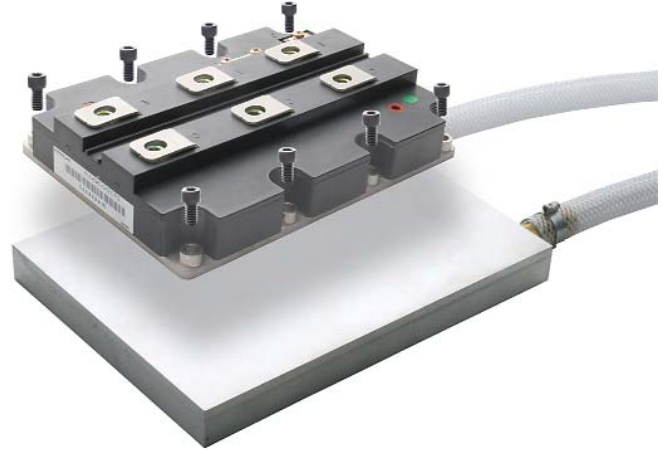




### TURBO FLOW ULTRA HIGH PERFORMANCE COLD PLATES FOR POWER APPLICATIONS

Aavid Thermalloy Turbo Flow cold plates are designed for engineers looking to cool the latest high performance IGBTs. Turbo flow plates increase the surface area in contact with the cooling fluid by using unique flow paths thereby increasing thermal transfer performance. The cold plate components are vacuum brazed together to form leak free joints. Aavid Turbo Flow cold plates offer superior thermal performance with a lower pressure drop than other cold plates resulting in less costly fluid circulation systems.



#### CRITICAL APPLICATION NEED:

- *Cost/performance value*
- *Leak free operation*
- *Thermal performance*

#### FEATURES AND BENEFITS:

- *Excellent thermal performance with lower pressure drop than other designs saves on system costs*
- *Brazed construction results in a rugged leak free solution*
- *Channels can be configured to put the fluid path where needed for the best thermal performance*

#### ORDERING INFORMATION:

Part Number	Finish	Figure
413000U00609G	Unfinished	1
Custom Configurations		2

Contact Aavid Thermalloy Application Engineering for assistance.



**AAVID  
THERMALLOY**

# Turbo Flow Liquid Cold Plates

**RoHS** ✓  
**Compliant**

### SPECIFICATIONS:

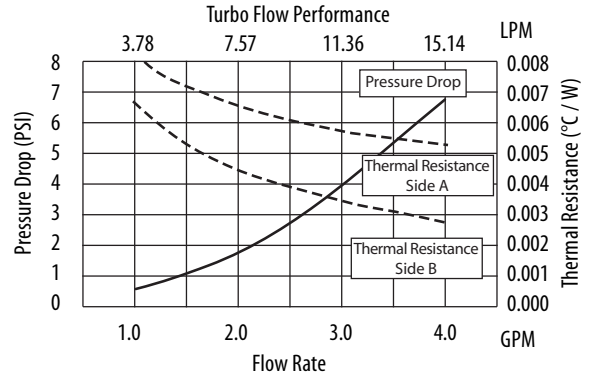
- Plate: Aluminum
- Cover Plate Material: Aluminum
- Joints: Vacuum Brazed
- Finish: Aavid "wash" Standard

### AVAILABLE OPTIONS:

- Finishes: AavSHIELD, AavSHIELD<sup>3</sup>, Tin Plate, Electroless Nickel
- Sizes: Custom sizes available see Figure 2 for details

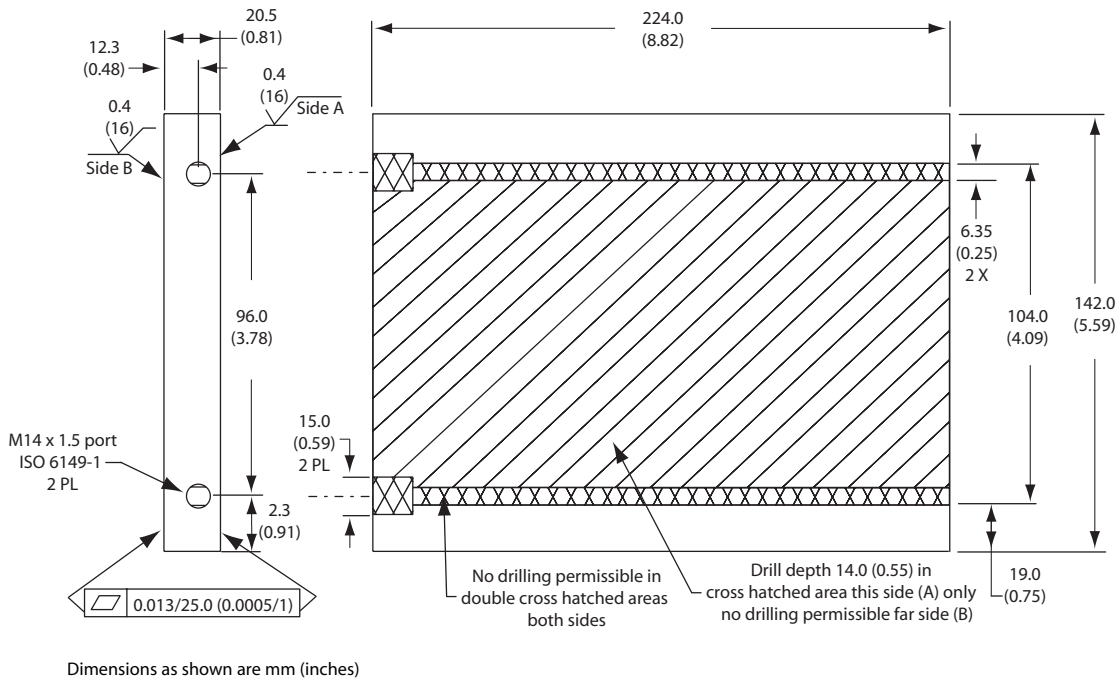
Contact Aavid Thermalloy Applications Engineering Department when ordering custom configurations.

### PERFORMANCE:



### MECHANICAL OUTLINE:

Figure 1



FOR MORE INFORMATION, VISIT OUR WEB SITE: [WWW.AAVIDTHERMALLOY.COM](http://WWW.AAVIDTHERMALLOY.COM)

TEL: (603) 224-9988

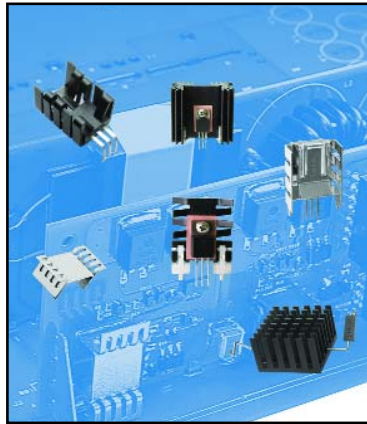




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## Turbo Flow Liquid Cold Plates

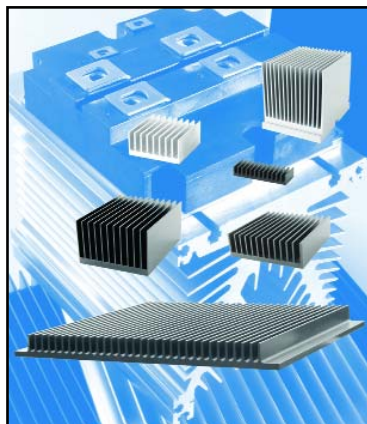
**RoHS** ✓  
**Compliant**



**Standard Board Level Heat Sinks**



**The Max Clip System™**



**Extrusion Selection Guide**



**Capability Brochure**

Aavid Thermalloy, LLC is committed to being a responsible global citizen through continual efforts to operate in ways that contribute to a cleaner, healthier environment for all. We strongly believe that good environmental practice is good business practice. Our customers, company, stakeholders, and community all benefit from this positive, proactive, and cost effective approach.

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FAX: 65-6362-8588

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