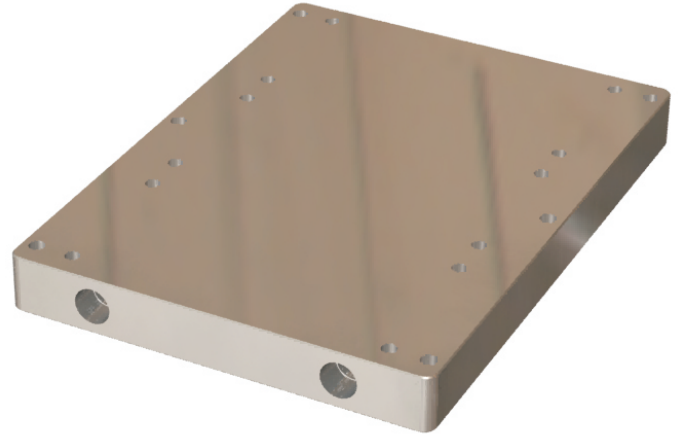


HIGH PERFORMANCE Thermal Management

Q-CHILL Internal Fin Technology

MQT1914 Liquid Cooled Cold Plate

The MQT1914 is a liquid cooled cold plate specifically designed for challenging power density applications requiring a compact and light-weight design. The advanced design of the MQT1914 allows for efficient heat transfer between the cold plate contact area and the power module base plate.



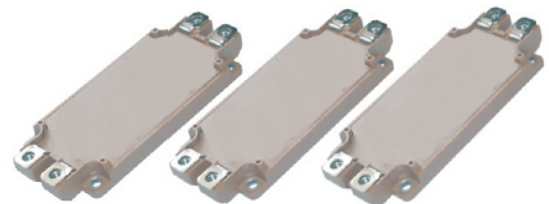
Applications

- Electric Vehicle Motor Drives
- Wind Turbines
- Solar Inverters
- Industrial Motor Controls
- Power Converters
- Induction Heaters
- Rail Traction Systems
- Auxilliary Vehicle Systems
- High Performance Motor Sport

Compatible Power Module Packages

This cold plate will cool any three of the following:

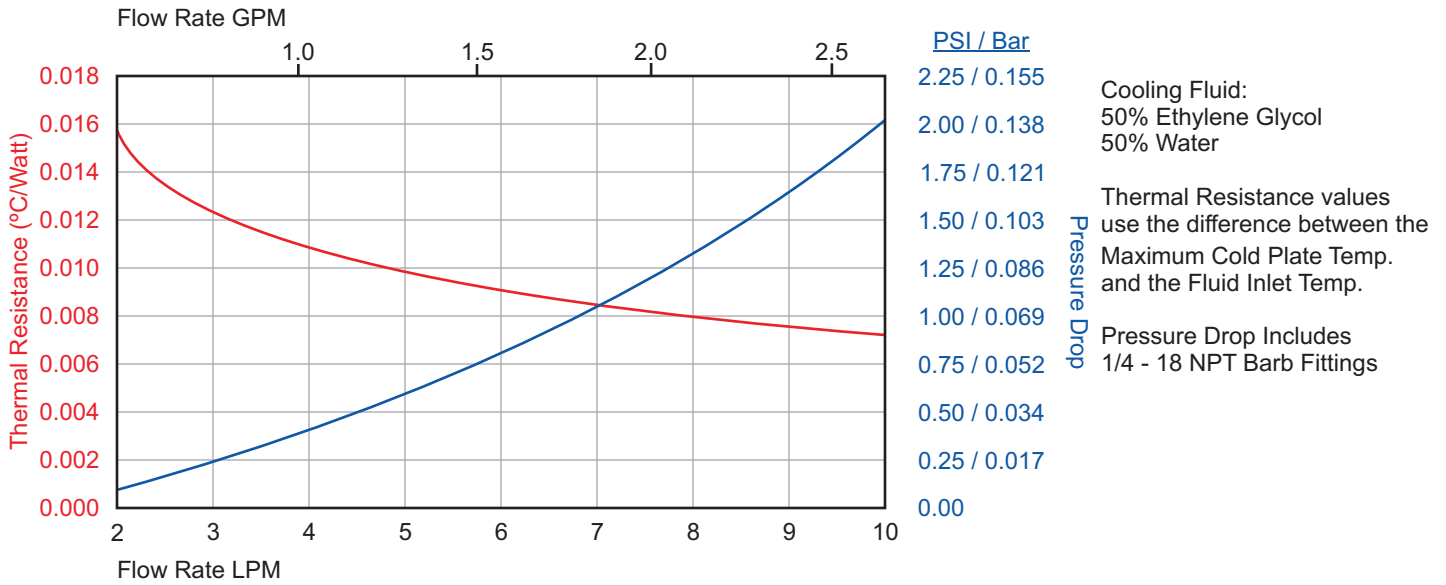
- SEMIKRON SEMiX® 3
- INFINEON EconoDUAL™ 3
- FUJI 122mm x 62mm Package
- POWEREX NX-M Package Modules



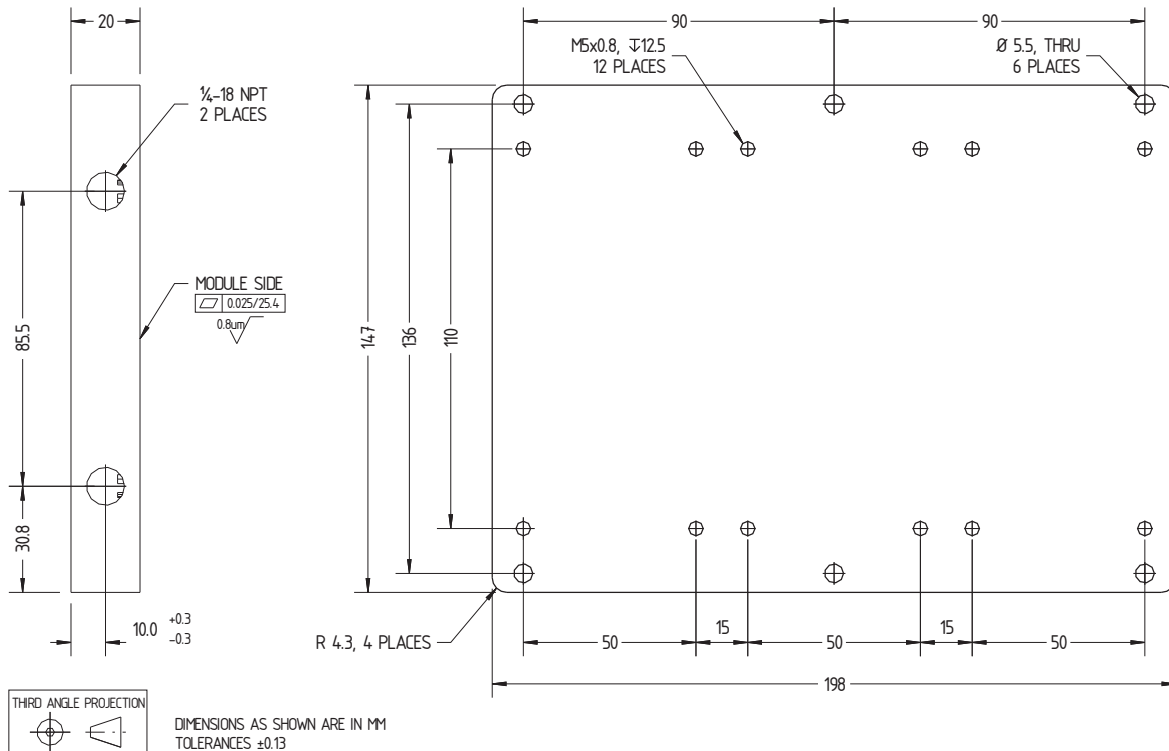
Features

- 3000 Watt heat rejection @ 8 LPM with a 24° C temperature rise from the fluid inlet to the maximum cold plate temperature
- Patent pending Q-CHILL internal fin technology provides for a more uniform top cold plate surface temperature
- Low pressure drop for reduced system cost (1.35 PSI @ 8 LPM)
- Low cost proven aluminum solution with performance comparable to copper based solutions
- Power Compact and light (1.35 kg)
- Compatible with industry accepted coolants
- Metallurgical seal for robustness and a high pressure rating

PERFORMANCE CURVES



MECHANICAL OUTLINE



Corporate Headquarters
 MaxQ Technology, LLC
 8380 S. Kyrene Road, Suite 107
 Tempe, AZ 85284
 United States
 (877) 804-0284

For Sales Information
 sales@maxqtechnology.com
 (877) 804-0284 Ext. 103

For Technical Support
 tech@maxqtechnology.com
 (877) 804-0284 Ext. 102

Please visit our website at www.maxqtechnology.com