

HIGH PERFORMANCE Thermal Management

025-MXQ-01 Liquid Cooled Coldplate

The 025-MXQ-01 is a liquid cooled coldplate specifically designed for challenging power density applications requiring a compact and light-weight design. The advanced design of the 025-MXQ-01 allows for efficient heat transfer between the coldplate contact area and the power module base plate.

Compatible Power Module Packages

- Infineon PrimePack2™
- Fuji Electric M271

Applications

- Rail Traction Systems
- Locomotive & High Speed Trains
- Industrial Medium Voltage Drives
- Marine Thruster Systems
- Heavy Vehicle Wheel Drive Systems
- Power Transmission and Distribution
- Autonomous Vehicles
- Defense Vehicles

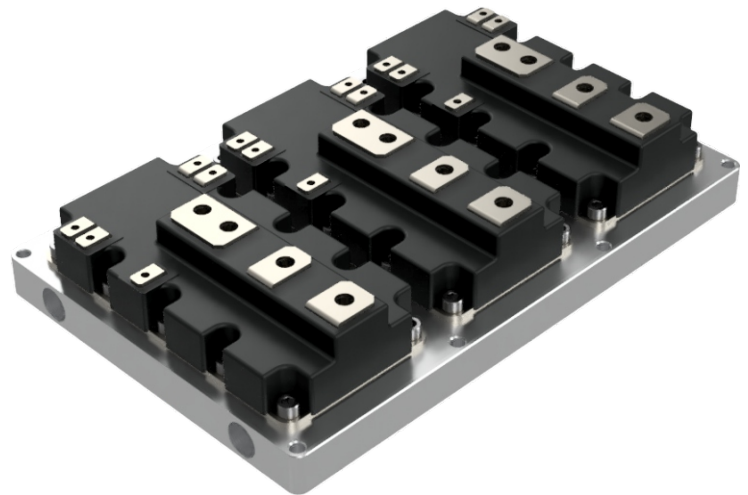
Features

- 5000 Watt heat rejection @ 16 LPM with a 27° C temp. rise from the fluid inlet to the max coldplate temperature
- Patented PWR-CHILL internal fin technology provides for a more uniform top coldplate surface temperature
- Low pressure drop for reduced system cost (295 mBar / 4.3 PSI @ 16 LPM)
- Low cost aluminum construction with performance comparable to copper based solutions
- Power Compact and light (3.1 kg)
- Compatible with industry accepted coolants
- Friction Stir Welded for a robust metallurgical seal and high pressure rating

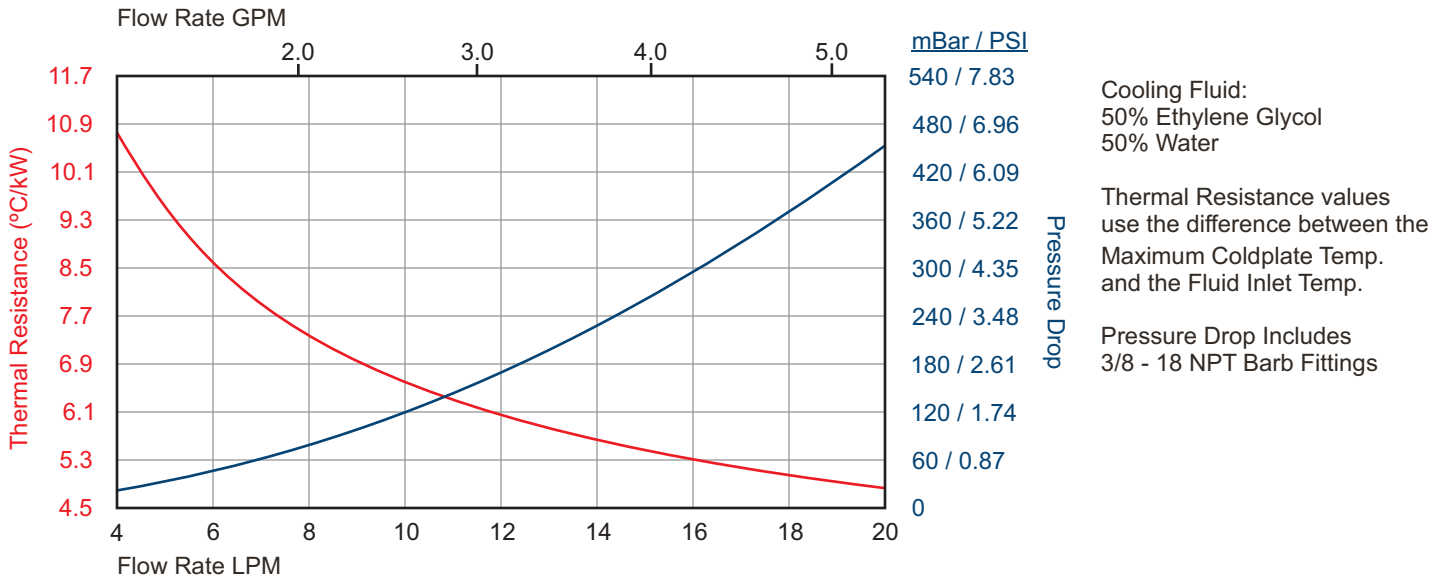
PWR-CHILL Internal Fin Technology



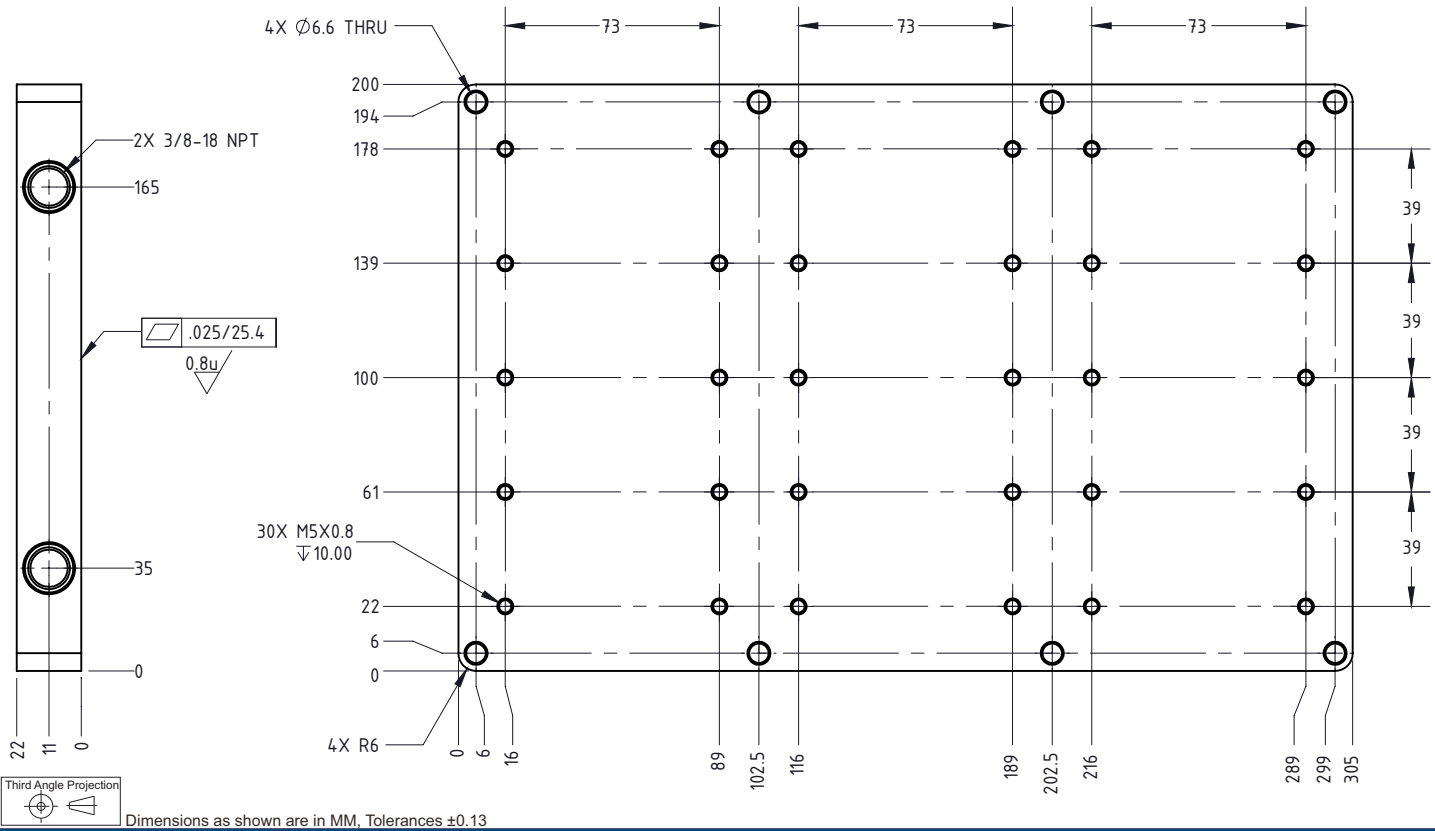
Designed to Cool Three (3) Power Modules



PERFORMANCE CURVES



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