

## HIGH PERFORMANCE Thermal Management

### 011-MXQ-01 Liquid Cooled Coldplate

The 011-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 011-MXQ-01 allows for efficient heat transfer between the coldplate contact area and the power module base plate.

#### Compatible Power Module Packages

- ABB LinPak
- Fuji Electric HPnC M288/M292
- Infineon XHP™
- Mitsubishi LV100/HV100

#### 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

- 3000 Watt heat rejection @ 10 LPM with a 26° 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 (227 mBar / 3.29 PSI @ 10 LPM)
- Low cost aluminum construction with performance comparable to copper based solutions
- Power Compact and light (1.2 kg)
- Compatible with industry accepted coolants
- Friction Stir Welded for a robust metallurgical seal and high pressure rating

PWR-CHILL Internal Fin Technology



