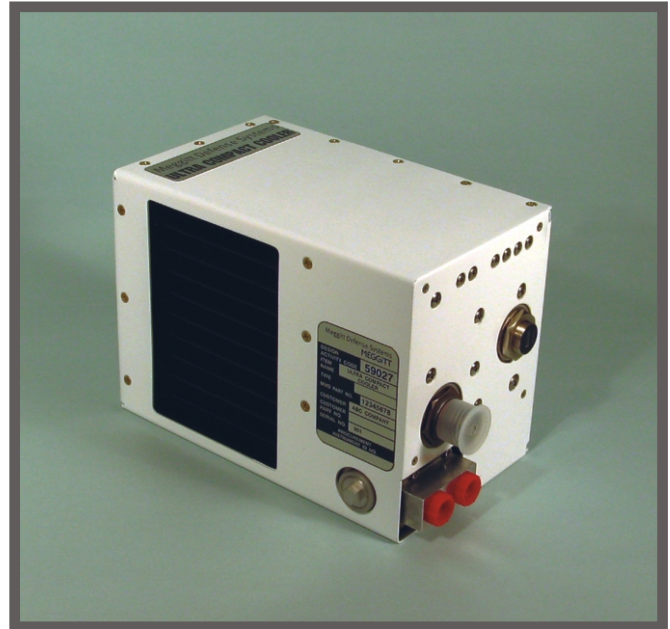


Ultra Compact Cooler Rugged liquid cooling system for mission critical electronics

Features

- Provides thermal management
- Reliability: high MTBF 7500 hours
- Qualified to MIL-STD-810C and withstands severe vibration
- Fully operational from -24°F to 131°F and from sea level to 12,000 ft
- Built-in low coolant level indicator
- Totally integrated/manifold design eliminates all liquid plumbing
- State-of-the-art brushless DC motor for pump/fan
- High performance heat exchanger, designed for minimum size and weight
- Thermal control bypass
- Pressure relief bypass
- Elapse time indicator



Description

The Ultra Compact Cooler is a lightweight, self-contained heat transfer system. It incorporates a lightweight cast aluminum manifold integrating pump, motor, thermal and check valves, accumulator assembly and cored fluid passages. This totally eliminates fluid tubes and fittings enhancing maintainability and eliminating any potential fluid leakage. A visual level indicator monitors fluid level in the system at all times.

The key features of this unit are that it can be operated in any orientation, and, with the new brushless DC motor/controller, there is enhanced reliability.

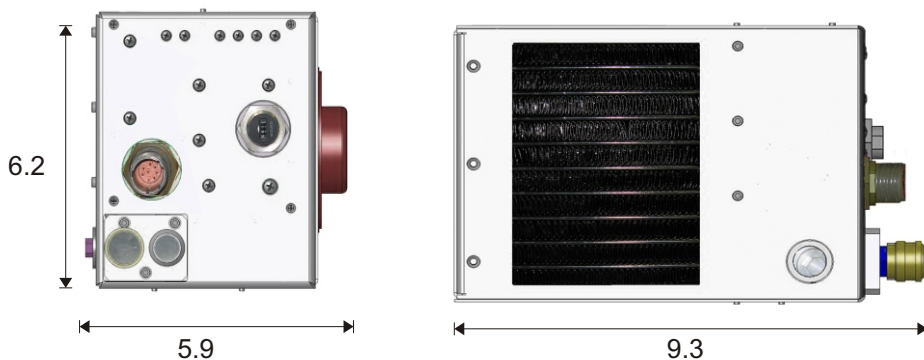
Ultra Compact Cooler

Rugged liquid cooling system for mission critical electronics

Technical specifications

- FLUID: 60/40 Ethylene glycol/water
- INPUT VOLTAGE: 28 +4/-5 VDC
- POWER CONSUMPTION: 200 watts maximum continues, 400 watts at start-up
- LIQUID CIRCUIT FLOW RATE: 1 gpm and 30 psid at 38°C
- FLUID DELIVERED TEMPERATURE: Nominal heat: 223 watts @ ambient +6°C; Maximum heat load: 400 watts @ ambient +10°C
- ENVIRONMENTAL CONDITIONS: Per MIL-STD-810
- WEIGHT 8 lbs

Overall dimensions



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MEGGITT
smart engineering for
extreme environments