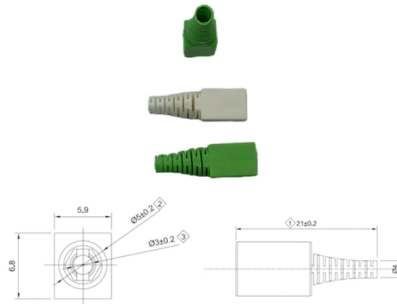


5mm Liquid Cooling Connector for Optical Module



Overview

With a nominal diameter of 5mm, it offers a flow rate of 20L/min at 0. Compact Design: Panel-to-panel connection distance of 53. Low Connection Force: Requires just 44N without pressure. 2 bar pressure, ensuring high-performance fluid transfer. Low Connection Force: The Large Quick Connector (LQC) for data center applications is developed within the OCP (Open Compute Project) initiative, an initiative that has established a new global standard within the data center industry community for quick connect couplings. Screw-to-connect locking mechanism, effortless. At OFC 2026, Stäubli is excited to present the Mini QD, our latest innovation designed specifically for high-density optical infrastructures. Engineered for switch trays exceeding 35 W, the Mini QD addresses the most demanding constraints where space, reliability, and precision are non-negotiable. Laird's OptiTIM™ product is designed to overcome the challenges of cooling optical transceiver modules in Telecom, Data Centers and Enterprise Systems markets. OptiTIM is a durable thermal interface material that can withstand the insertion and removal requirements of the pluggable module while. VaporConnect Optical Feedthrough Modules connect optical transceivers inside the cooling tank to cabled infrastructure outside the tank via a versatile, reliable and upgradeable sealed module to support immersion cooling solutions. Among them, the transmission distance of the former can reach up to 100 to 400 meters; the latter can reach up to 2 to.

Article Content

Immersion Liquid Cooling Interconnect Solutions

GrowsFiber's immersion cooling optical transceiver integrates a fiber optic pigtail on the optical port side of the module. The module adopts super air-tight packaging

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A Peltier cooler can be as small as 2 x 2 mm's, allowing it to operate in tight space constraints. Below is a schematic of a thermoelectric cooler. Figure 2: Schematic of a thermoelectric cooler module. Laird

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Immersion Liquid Cooling Interconnect Solutions

Immersion Liquid Cooling Solutions Learn about immersion liquid cooling optical transceivers, active optical cables (AOC) and direct-attach copper cables (DAC).

U.S. Patent Application for Liquid cooling high-density pluggable ...

More particularly, the present disclosure relates to systems and methods for liquid cooling high-density network pluggable modules for use in networking, storage, computing, and the like

Introducing the Mini QD at OFC 2026 | Advanced Cooling for Optical

Engineered for switch trays exceeding 35 W, the Mini QD addresses the most demanding constraints where space, reliability, and precision are non-negotiable and fits to liquid cooled OFSPs.

Active Cooling of Optical Transceivers

Our Active Transceiver Cooler (ATC) line of miniature form factor Peltier units are designed to work with optical transceivers. The thermoelectric cooler uses a high temperature solder construction. It is

How to Apply Liquid Metal in a PlayStation 5

Use this guide to apply liquid metal in your PlayStation 5. You can also use this guide to re-spread existing liquid metal. Your PS5 has an Accelerated Processing Unit (APU), which uses liquid metal

Liquid Cooling Connectors for Thermal Management : CPC

Our masters of connectology have been delivering drip-free, worry-free quick disconnect couplings for liquid cooling of electronics for over 20 years. Our liquid cooling connectors are designed to protect

Contact Us

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