HHC Networks & Smart City Solutions

Optical Module Coating

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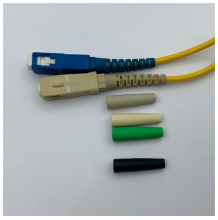
When properly designed and fabricated, these coatings can dramatically modify the reflection and transmission properties of an optical component. The properties can be controlled from the deep UV ...

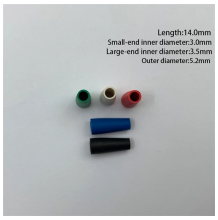
We introduce a new high-durability thermal interface coating designed to improve pluggable optical module to heat sink thermal transfer. Performance data and test methods for thermal resistance, ...



Optical coatings—such as far infrared coatings, thin film coatings, anti-reflection coatings, mirror coatings, and polarizers—are essential for improving the performance and durability of advanced ...

A deep dive into Conformal coating—covering high-speed signal integrity, thermal management, and power/interconnect design—helping you build high-performance data center ...

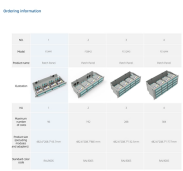
This durable, thermally conductive, abrasion-resistant thin film coating is specially designed to enhance the thermal performance and durability of heat generating devices, such as pluggable optical ...



A practical guide to optical coatings for precision optics. Learn how coatings work, why they matter, and the key engineering considerations for polymer-based optical systems.

Design requirements Modern optical module designs often require: Reduced power consumption to control and limit module temperature rise. Dynamic and precise control of laser diodes to regulate ...

The performance of an optical coating is dependent on the number of layers, their thickness, and the refractive index difference between them. This application note discusses optical coating theory, ...



Assemble optical modules and protect PCBs in telecom electronics with light-cure adhesives, encapsulants, and coatings designed for signal integrity and mechanical reliability.

The coating is designed to improve the efficiency of heat transfer between the POM and the heat sink and, as compared to the conventional metal-to-metal interface, has shown positive results in testing ...

Contact Us

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