Dutch active optical devices are resistant to high temperatures

In high-temperature environments, thermal control coatings can either reflect or absorb specific wavelengths of light, helping manage heat transfer. This is crucial for optical components ...

By combining optical expertise with decades of experience in rugged interconnect design, Radiall delivers active optical solutions that perform reliably where others cannot--ensuring high-speed data ...

Depending on the application, resistance to several environmental factors may be required, such as high or low humidity level, temperature, pressure, or exposure to aggressive solids, liquids ...

Today, we"re announcing a first-of-its-kind advancement in photonic interconnection - a fiber-device interface that can withstand multiple cycles of cooling to cryogenic temperatures - and ...

High-temperature measurements above 1000 °C are critical in harsh environments such as aerospace, metallurgy, fossil fuel, and power production.

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This paper reviews the sensing principle, structural design, and temperature measurement performance of fiber-optic high-temperature sensors, as well as recent significant ...

Active Optical Components - Transceiver Assembly Solutions - Continued Structural Bonding bility with various substrates including metals and plastics. This flexibility and broad adhesion capability ...

The objective was to design a thermoelectric cooler assembly that can remove heat generated by optical transceivers running in environments where temperatures can exceed 95°C.

Despite their widespread and mainstream use, current silicon-based devices are unreliable at temperatures exceeding 125 °C.

Optical material characterisation is needed at different conditions. We developed several setups to perform optical measurements from cryogenic temperatures up to melting temperatures of glass.

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