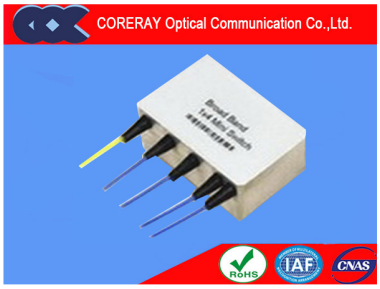
1x4 Solid-State Fiber Optical Switch

The 1×4 series 1x4 solid-state fiber optical switch redirects an incoming optical signal into a selected output optical fiber. Switching is achieved through the Faraday Effect, using a patent-protected, all-crystal design.



Product Overview

Solid-State Fiber Optical Switch

The 1×4 series 1x4 solid-state fiber optical switch is designed to connect optical channels by redirecting incoming signals into selected output fibers using the Faraday Effect. Featuring a patent-protected, all-crystal, non-mechanical configuration, this switch eliminates the need for moving parts, ensuring exceptional reliability and durability. It is engineered to meet demanding requirements for high-frequency switching operations in advanced optical networks.

Key Features

Typical Applications

- Optical switching
- High-speed protection
- System monitoring
- Test & measurement
- Fiber-optics sensing systems

Main Advantages	No Moving Parts, Ultra-Fast Switching, Stable Latching Mode, Low Power Consumption, Easy Fiber Routing

Technical Specifications

Insertion Loss Performance

Configuration	Typical Loss (dB)	Max Loss (dB)
Unidirectional	1.8	2.2
Bidirectional	2	2.4

Wavelength Range	1565 nm
High-Power Version Adjustment	Add 1.2dB to insertion loss for high-power version models.