

1x8 Latching MEMS Fiber Optic Switch

This MEMS latch series 1x8 fiber optic switch redirects incoming optical signals into selected output fibers. The device uses thermally activated micro-mirror movements and latches to preserve the selected optical path after the drive signal has been removed.



Overview

High-Performance Optical Switching

The 1x8 Latching MEMS Fiber Optic Switch is designed to connect optical channels by efficiently redirecting incoming signals to selected output fibers. Utilizing a patent-pending MEMS configuration with thermal-activated micro-mirrors, it offers high stability and reliability without the need for complex rotation. Its latching capability ensures the optical path is preserved even after the drive signal is removed, simplifying system integration and reducing overall costs.

Key Features

Key Features

High Reliability, Latching Mechanism, ESD Tolerance, MEMS Technology

Applications

Typical Applications

- Channel Blocking
- System Monitoring
- Instrumentation

Performance Specifications

Testing Wavelengths

- 1310
- 1490
- 1550
- 1625
- 1650

Insertion Loss

0.7 dB

Typical

1.2 dB

Maximum

Wavelength Range

1620 nm