

1x2 Fiber Optic Switch

This switch utilizes patented non-mechanical configurations activated by an electrical control signal. Its latching operation maintains the selected optical path even after the drive signal is removed.



ADDITIONAL IMAGES



Overview

High-Performance 1x2 Mechanical Optical Switch

This 1x2 mechanical optical switch is engineered for high reliability and stability in optical communication systems. It provides low insertion loss and low crosstalk, making it an ideal solution for optical signal routing, network protection, and restoration. Featuring a compact, epoxy-free optical path design, this switch supports both latching and non-latching operation modes to suit diverse application requirements.

Key Features

Main Features

Low Insertion Loss, Low Crosstalk, High Stability, High Reliability, Epoxy-free Optical Path, Latching/Non-latching

Performance Metrics

Optical Performance

0.5 dB

Typical Insertion Loss

50 dB

Min Return Loss

55 dB

Min Crosstalk

8 ms

Max Switch Time

Technical Specifications

Wavelength Range	650–1310 nm / 1260–1670 nm
Power Supply Voltage	5 V
Lifetime Cycles	e 10 ⁷
Dimensions (L x W x H)	27 x 12.6 x 8.5 mm
Weight	16 g
Operating Temperature	-40 to +85 °C

Pinout Configuration

Pinout and Drive Logic

Type	Optical Path	Status
Latching	P1-P2	OPEN
Latching	P1-P3	CLOSE
Non-Latching	P1-P2	OPEN