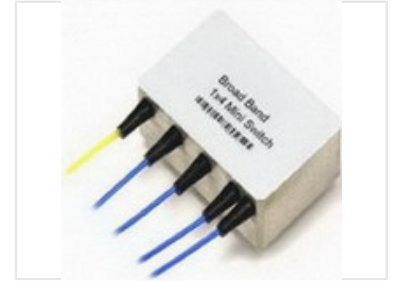


# Mini 1x1 Optical Switch

This mini 1x1 optical switch is designed for routing optical signals between a single input and output. It is commonly used in fiber optic communication systems, optical testing, and instrumentation.



## Product Overview

### Compact Optical Switching Solution

The Mini 1x1 Optical Switch is a high-performance component designed for seamless signal routing in fiber optic communication systems. Engineered with a small form factor, it offers low insertion loss and high channel isolation, making it ideal for integration into space-constrained optical testing and instrumentation setups. With a durability rating of 10 million cycles and rapid switching speeds, this device ensures reliable and efficient operation for demanding broadband applications.

## Optical Performance

### Performance Parameters

Parameter	850 & 1310 nm	1260 - 1650 nm
Insertion Loss (dB)	d1.0	d1.0
WDL (dB)	d0.25	d0.30
Channel Cross Talk (dB)	e40	e55
Return Loss (dB)	e35	e55

### Polarization Dependent Loss

**0.1 dB**  
PDL

## Electrical & Mechanical

### Switching Characteristics

- Switching Speed: d10 ms
- Drive Voltage: 5 V
- Switching Type: Latching or Non-latching
- Durability: 10 Million Cycles

Power Handling	500 mW
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## Environmental & Physical

Dimensions (LxWxH)	35x23x10 mm
Temperature Range	Operating: -5 to 70 , Storage: -40 to 85

## Fiber Specifications

Fiber Type	SMF-28
Fiber Length	Customer Specify