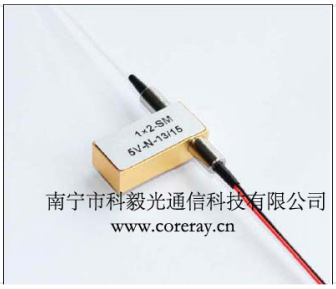
# 1x2 Single-Mode Mechanical Optical Switch

The 1x2T optical switch (OSW) features low insertion loss, low driving power, and high switching speed. Designed for optical fiber communication networks and measurement instruments, it selectively transmits, redirects, or blocks optical power, reverting to a default state upon loss of driving power.




## Overview

### High-Performance Optical Routing

The 1x2 Single-Mode (SM) mechanical optical switch is a compact and reliable device engineered for precise optical signal routing. Designed for versatility, it offers low insertion loss and high isolation, making it an ideal choice for optical fiber communication systems, sensing applications, and instrumentation. Its robust construction ensures long-term stability and performance for critical tasks like signal selection, redundancy switching, and network protection.

## Technical Specifications

| | |
|---|---|
| Operating Voltage | 5 V |
| Supported Wavelengths | 1310nm, 1550nm |
| Switch Configuration | 1x2 Single-Mode (SM) |

## Performance Metrics

### Key Performance Indicators

**1 CH**
Input Channel

**2 CH**
Output Channels

## Applications

### Typical Applications

- Optical fiber communication systems
- Optical sensing
- Instrumentation
- Signal selection
- Redundancy switching
- Network protection