

1x1 Fiber Optic Switch

This 1x1 optical switch features low insertion loss, low driving power, and high switching speed. The switch is designed for use in optical fiber communication networks and measurement instruments.



ADDITIONAL IMAGES



Overview

High-Performance 1x1 Optical Switch

This 1x1 optical switch is engineered for precise signal routing in demanding fiber optic communication systems. Featuring a compact design and robust construction, it offers exceptional reliability with a durability rating of 10 million cycles. It provides low insertion loss and high cross-talk isolation, making it an ideal solution for network reconfiguration, signal monitoring, and optical testing applications.

Optical Performance

Key Performance Metrics

0.6 dB

Insertion Loss

55 dB

Channel Cross Talk

55 dB

Return Loss

Signal Stability Specs

- WDL: < 0.15 dB
- PDL: < 0.02 dB
- TDL: < 0.20 dB
- Repeatability: ± 0.03 dB

Operating Wavelengths

850nm, 1310nm, 1490nm, 1550nm, 1625nm

Electrical & Physical

Electric Configuration

Type	Pin	Electric Drive	Status Sensor
1x1 Channel	1	5, 6	10, 2-3, 3-4

Switching Speed	5 ms
Drive Voltage	3V, 5V
Power Handling	500 mW
Durability	10 million cycles
Dimensions (LxWxH)	27 x 12.6 x 8.5 mm

Environmental

Operating Temperature	-20 to +80 °C
Storage Temperature	-40 to +85 °C