

OPTICAL CIRCUIT SWITCHES

1x2 Mechanical Optical Switch

Non-latching 1x2 mechanical switch with unusually wide 900 nm to 1700 nm coverage, driven from 5 V.



Key Features

- Very wide operating range, 900 nm to 1700 nm
- Non-latching — returns to a known state when unpowered
- Transmission and reflection modes
- 5 V low-voltage control
- Standard 0.5 m fiber pigtails

Applications

- ADM fiber monitoring
- Optical network protection
- Test and measurement equipment
- Optical routing and path selection

Overview

A 1x2 mechanical switch that routes an input fiber to either of two outputs. Its wavelength range is the notable part: 900 nm to 1700 nm in one device, which spans everything from 980 nm pump wavelengths through the L band.

The switch is non-latching, so it returns to its rest position when drive is removed — the behavior you want in a protection application that should fail to a known state. It ships with 0.5 m pigtails as standard and supports both transmission and reflection modes under 5 V control.

Specifications

Optical Performance

PARAMETER	VALUE	UNIT	CONDITIONS
Number of Channels	1 x 2		Non-latching
Operating Wavelength	900 – 1700	nm	
Insertion Loss	≤ 3.5	dB	Transmission
Insertion Loss	≤ 5.0	dB	Reflection

Electrical

PARAMETER	VALUE
Operating Voltage	5 V

Order or request a quote

+1 (619) 500-4899 · sales@lightwitphotonics.com

lightwitphotonics.com

Monday–Friday, 8:00 AM – 6:00 PM Pacific

Lightwit Photonics Co., Ltd.

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