

OPTICAL CIRCUIT SWITCHES

PM 2x2 Mechanical Optical Switch

Polarization-maintaining 2x2 cross-connect switch centered on 1550 nm, with 18 dB extinction ratio.



Key Features

- Polarization-maintaining 2x2 cross-connect
- Extinction ratio ≥ 18 dB
- Insertion loss ≤ 1.2 dB
- Centered on the 1550 nm band
- 3 V or 5 V low-voltage control

Applications

- Redundancy switching in polarization-sensitive links
- Coherent system test and characterization
- Interferometric sensor path switching
- Laboratory reconfiguration of PM setups

Overview

A 2x2 cross-connect built entirely in polarization-maintaining fiber, centered on the 1550 nm band. Both paths hold polarization state through the switch at an extinction ratio of 18 dB or better, with insertion loss within 1.2 dB.

As with the rest of the mechanical family, drive is 3 V or 5 V and the package is compact enough to sit on a card rather than in its own enclosure.

Specifications

Optical Performance

PARAMETER	VALUE	UNIT
Number of Channels	2 x 2	
Operating Wavelength	1550	nm
Insertion Loss	≤ 1.2	dB
Extinction Ratio	≥ 18	dB

Electrical

PARAMETER	VALUE
Operating Voltage	3 V or 5 V

Order or request a quote

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Datasheet issued 2026-09-06

Rev. controlled document

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