

OPTICAL CIRCUIT SWITCHES

PM 1x2 Mechanical Optical Switch

Polarization-maintaining 1x2 switch, 1260 nm to 1650 nm, with 0.5 dB typical insertion loss.



Key Features

- Polarization-maintaining construction
- Extinction ratio ≥ 20 dB
- Typical insertion loss 0.5 dB, maximum 1.0 dB
- Wide 1260 nm to 1650 nm coverage
- 3 V or 5 V low-voltage control

Applications

- Routing in polarization-sensitive systems
- Coherent receiver and modulator test paths
- Fiber sensing array multiplexing
- Redundancy switching for PM links

Overview

A 1x2 switch that routes a polarization-maintaining input to either of two PM outputs while holding the polarization state, at an extinction ratio of 20 dB or better.

Typical insertion loss is 0.5 dB, with 1.0 dB the specified maximum, across a 1260 nm to 1650 nm range. Control is 3 V or 5 V, and the package is the same compact form as the rest of the family.

Specifications

Optical Performance

PARAMETER	VALUE	UNIT	CONDITIONS
Number of Channels	1 x 2		
Operating Wavelength	1260 – 1650	nm	
Insertion Loss	≤ 1.0	dB	Typical 0.5 dB
Extinction Ratio	≥ 20	dB	

Electrical

PARAMETER	VALUE
Operating Voltage	3 V or 5 V

Order or request a quote

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