

OPTICAL CIRCUIT SWITCHES

2x2B Mechanical Optical Switch

Bypass-configuration 2x2 mechanical switch for single-mode and multimode fiber, latching or non-latching.



Key Features

- Bypass configuration for equipment protection
- Latching or non-latching, specified at order
- Insertion loss ≤ 1.2 dB
- Single-mode 1260 nm to 1620 nm, or multimode 850 nm
- 3 V or 5 V low-voltage control

Applications

- Optical path switching and route selection
- Network protection and redundancy switching
- Fiber monitoring and remote test access
- Automated test and measurement equipment

Overview

The 2x2B is the bypass variant of our 2x2 switch, wired so that the unpowered state passes traffic straight through the node. That is the configuration you want when the switch protects a piece of equipment: if the equipment or its power fails, the fiber path closes around it.

Insertion loss is 1.2 dB or better. Single-mode operation spans 1260 nm to 1620 nm, with a multimode version at 850 nm, and drive is 3 V or 5 V.

Specifications

Optical Performance

PARAMETER	VALUE	UNIT	CONDITIONS
Number of Channels	2 x 2		Latching or non-latching
Insertion Loss	≤ 1.2	dB	
Operating Wavelength	1260 – 1620	nm	Single-mode
Operating Wavelength	850	nm	Multimode

Electrical

PARAMETER	VALUE
Operating Voltage	3 V or 5 V

Order or request a quote

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