

OSW-2X2-M



2x2 Mechanical Optical Cross Switch

OVERVIEW

The Optilab compact low noise 2x2 bidirectional optical cross switch module is a simple and reliable tool for engineering, laboratory, production settings and field applications. The two input optical signals of the device can be directed to the two output ports in terms of Cross or By-Pass routing modes. These two possible modes can be achieved remotely or locally with low noise performance.

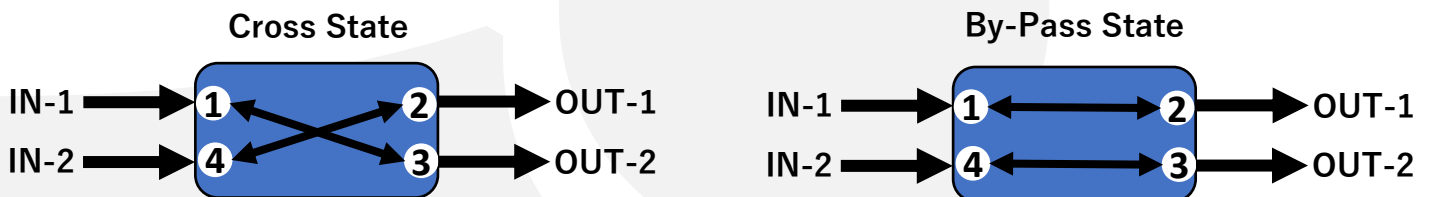
FEATURES

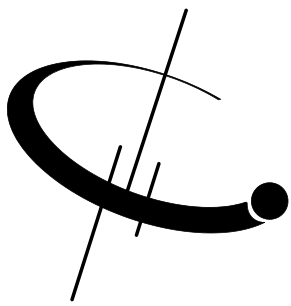
- Cross and By-Pass Modes Switchable
- Low Noise Mechanical Switch
- Remote and Local Control
- Wide Band Operation

APPLICATIONS

- Optical Network Connectivity
- Optical Device Add and Drop
- CWDM/DWDM
- Test and Measurement
- Optical Signal Monitoring System

FUNCTIONAL DIAGRAM EXAMPLE





OSW-2X2-M

Technical Specifications

Optical Specifications

Model	OSW-2x2-M
Wavelength Range	1270-1610 nm
Number of Inputs	2
Number of Outputs	2
Insertion Loss	0.8 dB typical
Polarization Dependent Loss	0.1 dB maximum
Cross Talk	-60 dB Maximum
Fiber Type	SMF-28
Optical Connectors	FC/APC

Electrical Specifications

Power Supply	5 V USB-2.0
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Environment / Mechanical Specifications

Operating Temperature Range	0° C to +65° C or -5° C to 70° C short term
Storage Temperature Range	-40° C to +85° C
Dimensions	155.2 mm(L) x 130.0 mm(W) x 45.0 mm(H)

Mechanical Drawing (unit: mm)

