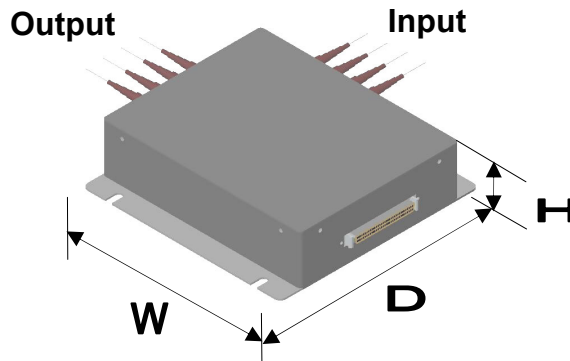


4 X 4 - 2 OPTICAL SWITCH



Description

This two-side 4x4 optical switch is designed to provide cross-connect function between Input and Output channels. It offers excellent insertion loss, repeatability and a wide operating temperature range.

Features

- * Low insertion loss
- * Excellent repeatability
- * Millisecond switching time
- * Low crosstalk
- * Low polarization dependent loss
- * Wide passband
- * Latched at both on/off positions
- * Low power dissipation
- * Non-blocking
- * Protocol and Data rate independent
- * Switch configuration readout
- * Multimode available upon request

Applications

- * Optical cross connects
- * Protection switching
- * Dynamic capacity provisioning
- * Optical test and measurement
- * Network performance monitoring
- * Reconfiguration and restoration of fiber networks

Performance Specifications @ 1550 nm

Insertion Loss	< 1.5 dB
Repeatability	± 0.02 dB
PDL	< 0.1 dB
Crosstalk	< -50 dB
Return Loss	> 50 dB
Switching Time	< 25 mS
Wavelength Range	1280-1340 nm, 1520-1625 nm
Operating Temperature	-5 to 70° C
Operating Humidity	< 90% RH, non-condensing
Input Optical Power	< 20 dBm

Dimensions

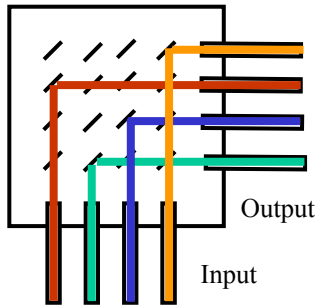
W x D x H: 150 mm x 150 mm x 38 mm
(5.91" x 5.91" x 1.50")

All specifications listed are subject to change without notice.

Advanced Optical MEMS, Inc.

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Irvine, CA 92618, USA
Tel: (949) 472-3698 . Fax: (949) 472-3699
E-mail: info@aomems.net

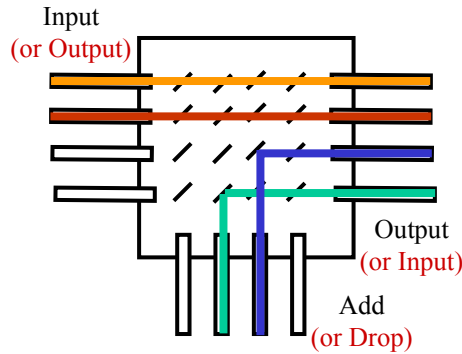
4 X 4 - 2 OPTICAL SWITCH



4X4-2

2-Plane Configuration:

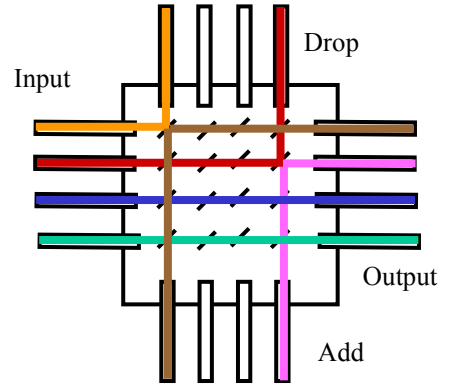
Provides cross-connect function between Input and Output channels.



4X4-3

3-Plane Configuration:

Provides switching between Add and Output channels and also passes signals between Input and Output channels.



4X4-4

4-Plane Configuration:

Provides switching between Input and Drop channels and between Add and Output channels and also passes signals between Input and Output channels.

Ordering Information

2044 - X - X - X X X

Model No	_____	_____	_____	_____	_____
Plane	_____	_____	_____	_____	_____
2 = 2 planes					
3 = 3 planes					
4 = 4 planes					
Operation Mode	_____	_____	_____	_____	_____
1 = Single Mode (Standard)					
2 = Multimode					
Fiber Length	_____	_____	_____	_____	_____
1 = 1.0 m (Standard)					
X = Specify X meters					
Connector Type	_____	_____	_____	_____	_____
0 = No Connector					
1 = FC/APC (Standard)					
2 = MU					
3 = SC					
Fiber Type	_____	_____	_____	_____	_____
1 = SMF28 (Standard for Single Mode)					
2 = 50/125 (Multimode)					
3 = 62.5/125 (Multimode)					

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