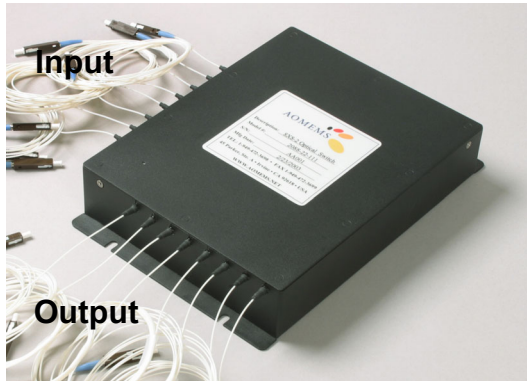


# 8 X 8 - 2 OPTICAL SWITCH



## Description

This two-side 8 x 8 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	< 3.5 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

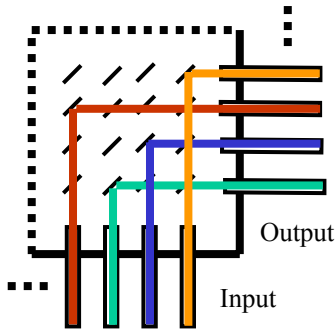
W x D x H: 150 mm x 159 mm x 38 mm  
(including the length of boots)

All specifications listed are subject to change without notice.

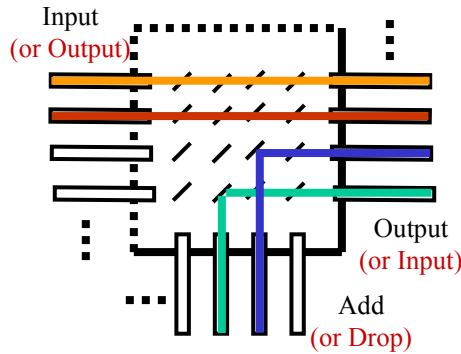
## Advanced Optical MEMS, Inc.

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

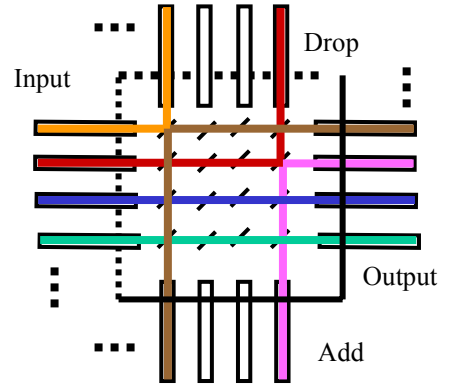
# 8 X 8 - 2 OPTICAL SWITCH



**2-Plane Configuration:**  
Provides cross-connect function between Input and Output channels.



**3-Plane Configuration:**  
Provides switching between Add and Output channels and also passes signals between Input and Output channels.



**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

2088 - 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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