



## SHENZHEN OPTICO COMMUNICATION

### MEMS Optical Switch Module(1x8-64)

MEMS 1xN Optical Switch is an industry proven fiber optic switch with excellent durability and reliability. It allows channel selection between a single input fiber and N output fibers.

#### Features

- Compact size
- Low power consumption
- High repeatability and stability
- Independent wavelength and independent direction
- Meets GR-1209 and GR-1221 standards

#### Applications

- Fiber monitoring
- Data center
- Fiber sensing

#### Main Specifications

Parameters	Unit	Value						
		4	8	16	24	32	48	64
Number of channels	CH	4	8	16	24	32	48	64
Wavelength	nm	1310±20 or 1550±20 or 1625±20						
Insertion Loss(Max)	dB	0.8	1	1.4	1.5	1.5	1.9	1.9
Return Loss	dB	≥50						
Repeatability	dB	0.04dB Max						
Crosstalk	dB	≥50						
PDL	dB	≤0.15						
WDL	dB	≤0.3@CWL±20nm,23°C						
TDL	dB	<0.4dB						
Operation Temperature	°C	-5~70						
Storage Temperature	°C	-40~85						
Switch Time	ms	≤30						
Durability	cycle	≥1×10 <sup>9</sup>						
Control Voltage	V	5 or 12						
Packaging Dimensions	mm	85 x 50 x 19 ±0.2						

Note: 1.IL is measured at CWL, 23°C.

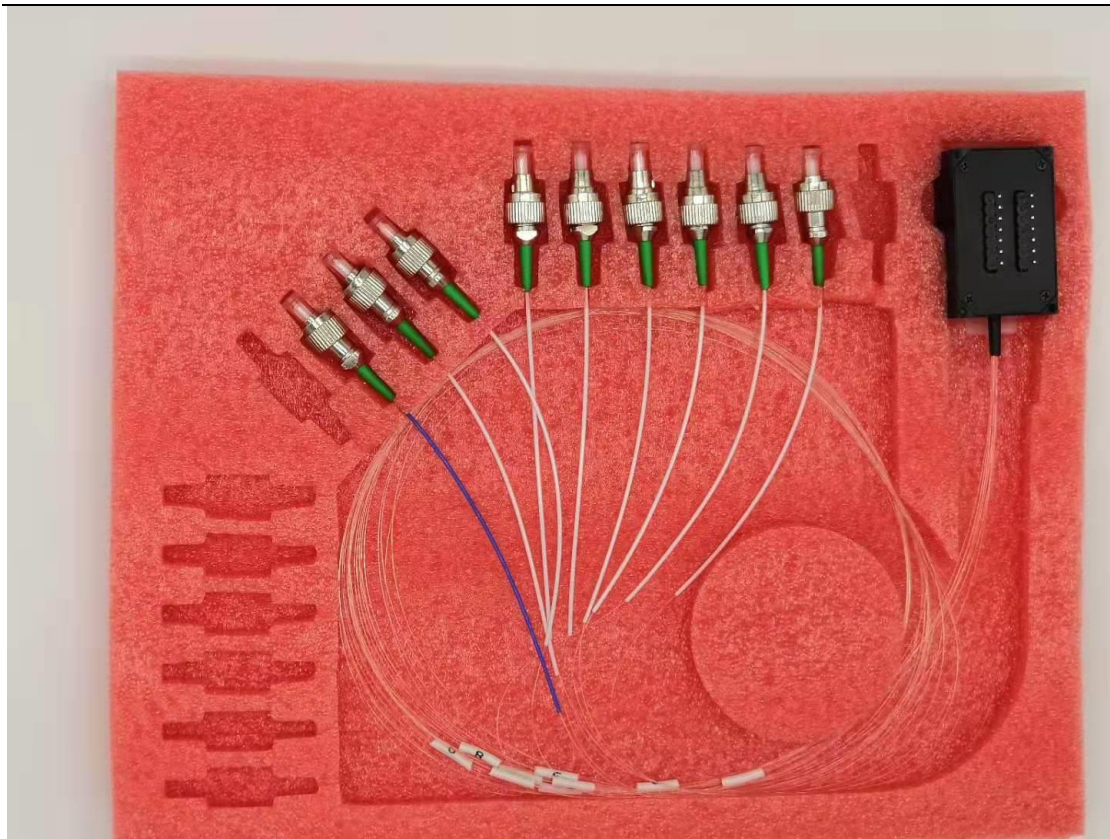
2.Repeatability is defined after 100 cycles.

3.Without connectors.

4. IL is for single-band, Dual-band adds 0.3 dB.



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### Order Information:

OE-MS-SN-1×N-A-B-C-D-E-F-G (MS: MEMS Optical Switch; SN: Series Number)

SN	N	A	B	C	D	E	F	G
Series Number	Output Number	Fiber Type	Package Type	Test Wavelength	Tube Type	Fiber Length	Connector	Interface
S1:S1 X: Others	8:8 16:16 24:24 32:32 64:64 X: Others	SM:SM,9/125 X: Others	A: Type A B: Type B	1310: 1310nm 1550: 1550nm 1315: 1310&1550nm	25:250um 90:900um X: Others	05:0.5m±5cm 10:1.0m±5cm 15:1.5m±5cm X: Others	OO: None FP:FC/PC FA:FC/APC SP:SC/PC SA:SC/APC LP:LC/PC LA:LC/APC X: Others	MS1: TTL/RS232 MS2: TTL/ I2C MS3: TTL/I2C/RS232

Note:1. Above specifications just show the typical performance of Module.

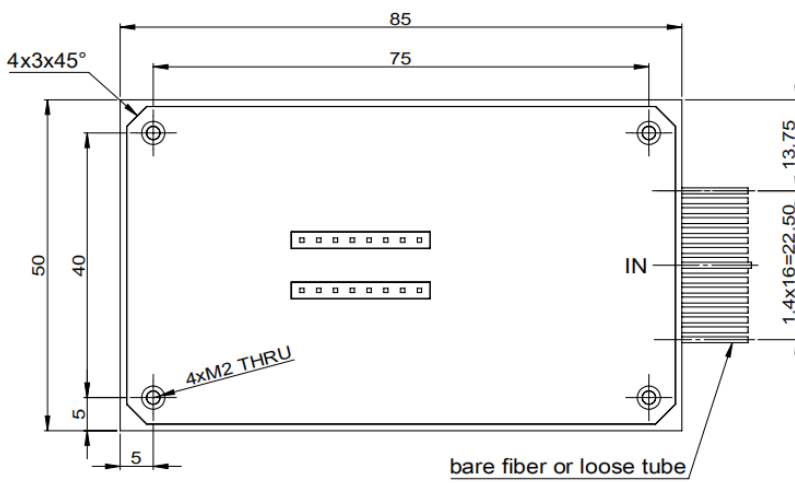
2. Please contact our sales to discuss your specific requirements.



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## Dimension :

### Top View (Units: mm)



### Side View

