



# MEMS 1X2 Optical Switch

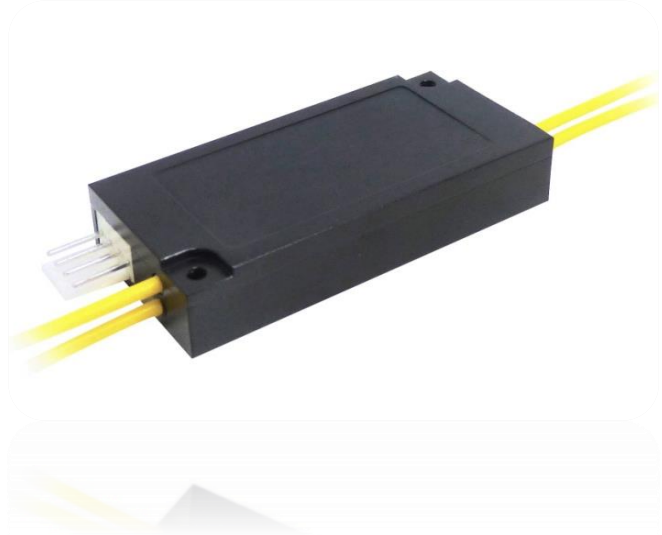
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## ◆ Features

- Low Insertion Loss
- Wide Wavelength Range
- Low Crosstalk
- High Stability, High Reliability
- Epoxy-free on Optical Path
- Latching and Non-latching

## ◆ Application

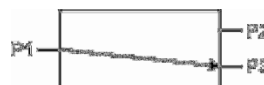
- Metropolitan Area Network
- R&D in Laboratory
- System Monitoring
- Configurable OADM



## ◆ Performance

Parameters		1X1 ,D1X1 ,1X2,D1X2,2X2B ,D2X2B
Wavelength Range	nm	850&1310 1260~1670
Testing Wavelength	nm	850/1310/1490/1550/1625/1650
Insertion Loss	dB	Typ:0.8,Max:1.0
Return Loss	dB	SM≥50, MM≥35
Crosstalk	dB	SM≥45,MM≥30
PDL	dB	≤0.05
WDL	dB	≤0.25
TDL	dB	≤0.25
Repeatability	dB	≤±0.02
Power supply	v	5.0
Lifetime	Cycle	≥10 <sup>9</sup>
Switch Time	ms	≤4
Transmission Power	mW	≤500
Operation Temperature	°C	-20~+70
Storage Temperature	°C	-40~+85
Weight	g	25
Dimension	mm	(L)55×(W)26×(H)12

## ◆ Route States





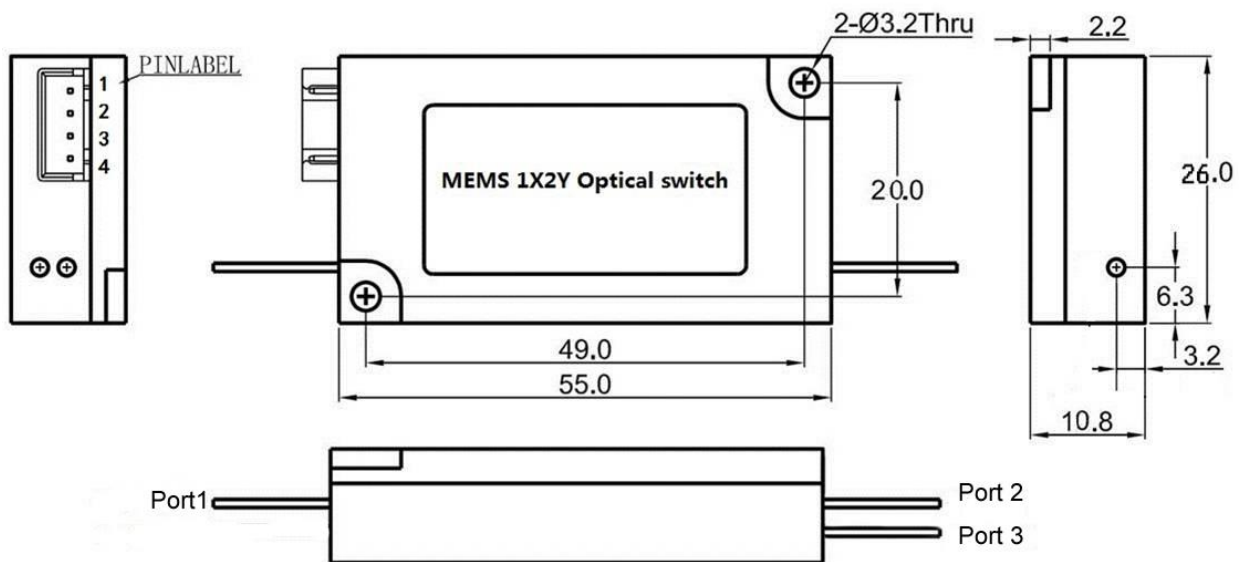
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## ◆ Pins

1X2C	Optical Path	Electric Drive			
		Pin 1	Pin 2	Pin3	Pin4
TTL	P1-P2	+5V	GND	High	-
	P1-P3	+5V	GND	Low	-

## ◆ Dimensions



## ◆ Ordering Information:SMSW – A – B – C – D – E – F

A	B	C	D	E	F
Mode	Fiber	Wavelength	Fiber Diameter	Fiber Length	Connector
1X1	SM:9/125um	13: 1310nm	25:250um	05:0.5m	OO:None
1X2	M5:50/125um	14: 1490nm	90:900um	10:1.0m	FP: FC/PC
2X2B	M6:62.5/125um	15: 1550nm	20:2.0mm	15:1.5m	FA: FC/APC
D 1X1		16: 1650nm			SP: SC/PC
D 1X2		13/15:1310/1550nm			SA: SC/APC
D 2X2B					LP: LC/PC
					LA: LC/APC