

Transmission SM Mechanical Optical Switch (2x2)

1. Description:

Optical switch in the optical signal function on and off in fiber or waveguide path, It will autosense the loss of light on the active input port and toggle the optical switch, transferring from the active to the alternate port.

2. Features:

- Low Cost
- Low insertion loss
- High Isolation
- No Plastic Light Path
- High Reliability and Stability

3. Applications:

- Optical Signal Routing
- System Monitoring
- Instrument and Equipment
- Optical Device Testing and Research
- Up/down Road Light Signal
- Optical Network

Protection/Recovery



4. Specifications:

Parameter	Value			
Operating Wavelength (nm)	1310 ± 40 or 1550 ± 40		1310/1550 ± 40	
IL(dB)	Grade P	Grade A	Grade p	Ggrade A
	≅ 0.6	≅ 0.8	≅ 0.8	≅ 1.0
WDL (dB)	≅ 0.25	≅ 0.25	≅ 0.3	≅ 0.30
PDL(dB)	≅ 0.05	≅ 0.05	≅ 0.05	≅ 0.05
TDL (dB)	≅ 0.20	≅ 0.25	≅ 0.20	≅ 0.25
Crosstalk (dB)	>55	>55	>55	>55
Repeatability (dB)	< ± 0.02			
RL(dB)	> 55			
Switching Time(ms)	<10 (Typ.4)			
Coil Resistance (ohms)	178 ± 10%			
Working Voltage (V)	5			
Handling Power (mW)	500			
Durability (cycle)	>10 million			
Operating Temperature (°C)	0 ~ + 70			
Storage Temperature (°C)	-45 ~ +85			
Fiber Type	SMF-28			

Fiber Length (Min.)	1.0 +/- 0.1
Package Dimensions (mm)	32.76 × 12.6 × 11

5. Electronic Pin Information:

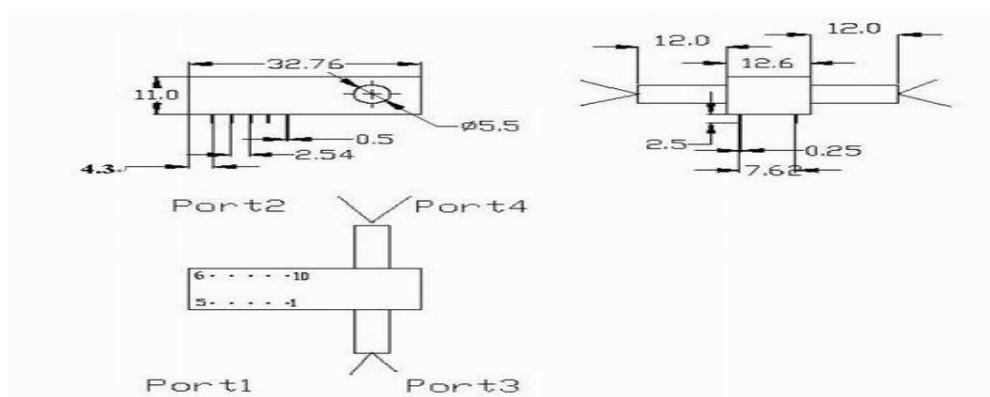
Model A

Channel		Port1 To Port2		Port1 To Port4/Port2 To Port3	
The Electronic Driver	Non-locking	Pin1	Pin10		
		V+	GND	GND	V+
Status	Non-locking	Pin2-3, Pin8-9 open		Pin2-3, Pin8-9 close	
		Pin3-4, Pin7-8 close		Pin3-4, Pin7-8 open	

Model B

Channel		Port1 To Port4/Port2 To Port3		Port1 To Port2	
The Electronic Driver	Non-locking	Pin6	Pin5		
		V+	GND	GND	V+
Status	Non-locking	Pin7-8, Pin3-4 open		Pin7-8, Pin3-4 close	
		Pin8-9, Pin2-3 close		Pin8-9, Pin2-3 open	

6. Dimensions:



7. Order Information:

SMMS	Status	Type	Port	Grade	Operating Wavelength	Fiber Type	Fiber Length	Connector
	N=Non-locking	A B	0202=2x2	P= Grade P A= Grade A	15=1510~1610nm 13=1260~1360nm 35=1310/1550nm	1=250um 2=900um	1=1m 2=2m	0= None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC