

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



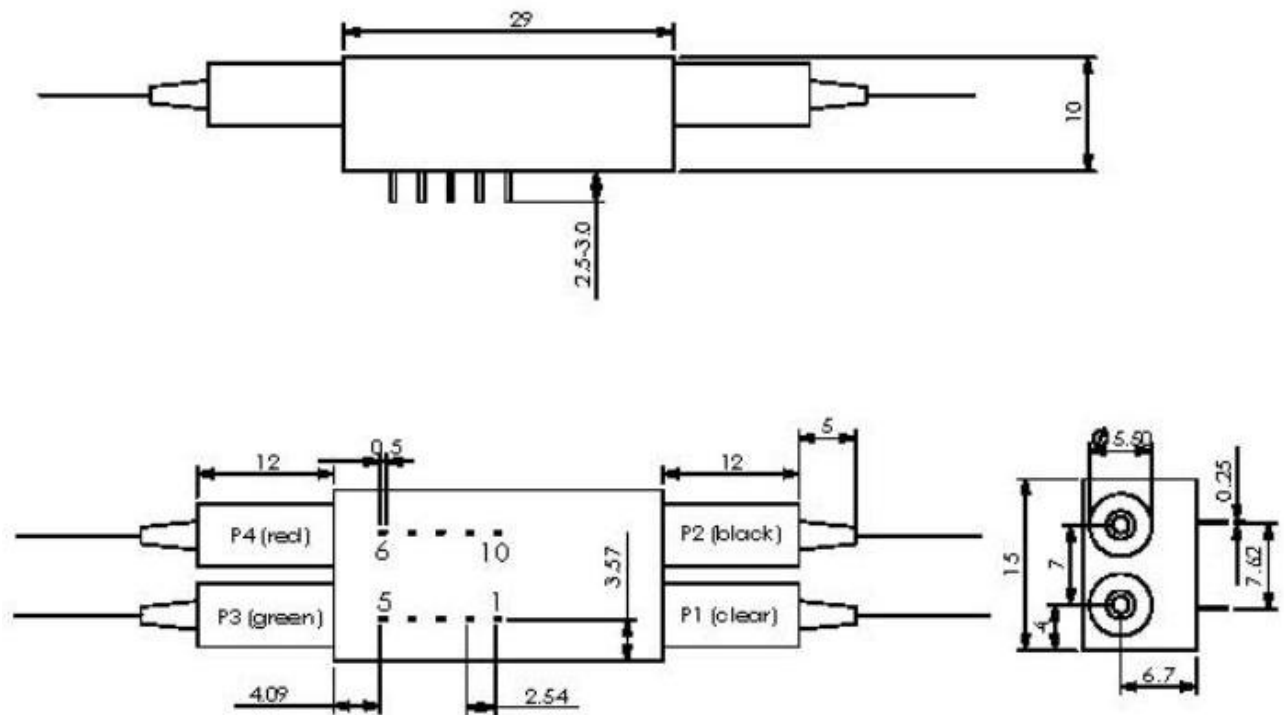
4. Specifications:

Parameter	Value			
Operating Wavelength (nm)	1310± 40 or 1550±40		1310/1550 ± 40	
IL (dB)	Grade P	Grade A	Grade P	Grade A
	≤ 0.8	≤ 1.0	≤1.0	≤1.2
WDL (dB)	≤ 0.25	≤ 0.25	≤ 0.3	≤ 0.30
PDL (dB)	≤ 0.15	≤ 0.15	≤ 0.15	≤ 0.15
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 (℃)	0 ~ + 70			
Storage Temperature (℃)	-40 ~ +85			
Fiber Type	SMF-28			
Fiber Length (Min.)	1.0 +/- 0.1			
Package Dimensions (mm)	29 × 15 × 10			

5. Electronic Pin Information:

Channel		Port1 To Port3/Port2 To Port4		Port1 To Port3/Port2 To Port4	
The Electronic Driver	Locking	Pin10	Pin6	Pin1	Pin5
		V+	GND	V+	GND
Status	Locking	Pin2-3, Pin8-9 close		Pin2-3, Pin8-9 open	
		Pin3-4, Pin7-8 open		Pin3-4, Pin7-8 close	

6. Dimensions:



7. Order Information:

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