

2X2 Single Mode Mechanical Optic Switch (Latching /Non-latching)

Features:

Low Cost

High Channel Isolation

Low Loss

High Reliability and Stability

Epoxy-Free Optical Path



Applications:

System monitoring

Instruments

Photo signal Routing

Parameters	Specifications			
Operating Wavelength (nm)	1310± 40 or 1550±40		1310/1550 ± 40	
Insertion Loss(dB)	P Grade	A Grade	P Grade	A Grade
	< 0.6	< 0.8	< 0.8	< 1.0
Wavelength Dependant Loss(WDL) (dB)	≤ 0.25	≤ 0.25	≤ 0.30	≤ 0.30
Polaration Dependant Loss (PDL) (dB)	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05
Temperature Dependant Loss (TDL) (dB)	< 0.20	< 0.25	< 0.20	< 0.25
Cross Talk(dB)	>55	>55	>55	>55
Repeatability (dB)	< ± 0.02			
Return Loss (dB)	> 55			
Switching Time (ms)	<10 (Typ. 4)			
Coil Resistance(Lead Angle	178 ± 10%			

1-5 or 6-10) (ohms)	
Operating Voltage(V)	5
Maximum Power Load(mW)	500
Durability(Circle)	>10 million
Operating Temperature (° C)	0 ~ +70
Storage Temperature(° C)	-45 ~ +85
Fiber Type	SMF-28
Fiber Length (m)	1.0 +/- 0.1
Dimension (LxWxH) (mm)	27.2×12.6×7.5

Electronic pins structure:

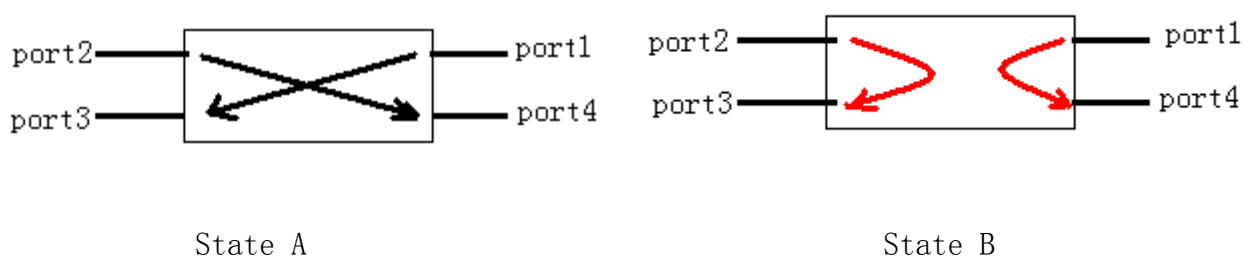
Non-latching

Optical path	Condition					
	PIN1	PIN10	PIN3-2	PIN3-4	PIN8-9	PIN8-7
1-4;2-3	N/A	N/A	CLOSE	OPEN	CLOSE	OPEN
1-3;2-4	GND	+5v	OPEN	CLOSE	OPEN	CLOSE

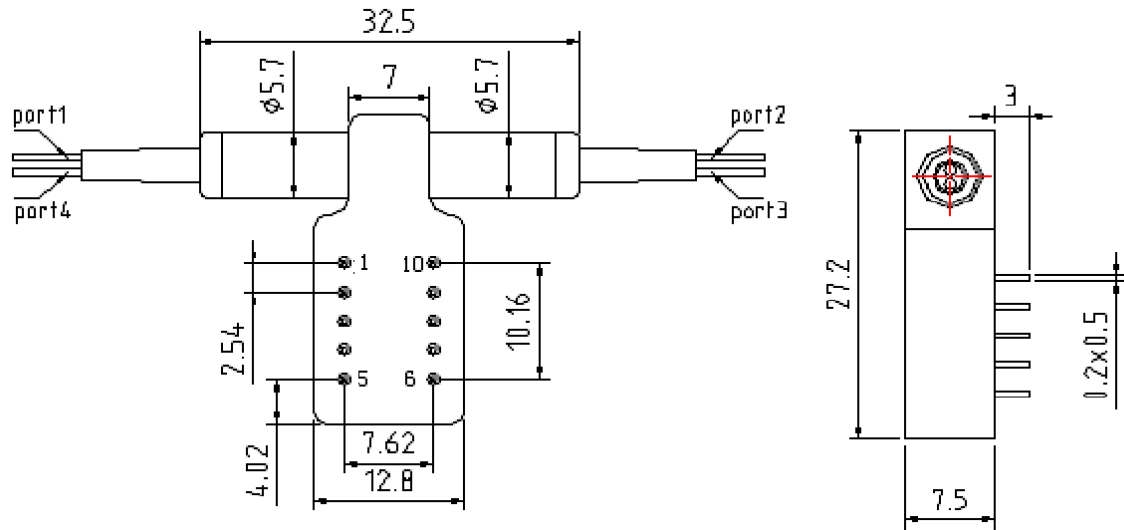
Latching

Optical path	Circuit driver				Condition			
	PIN1	PIN5	PIN10	PIN6	PIN3-2	PIN3-4	PIN8-9	PIN8-7
1-3;2-4	N/A	N/A	+5v	GND	OPEN	CLOSE	OPEN	CLOSE
1-4;2-3	+5v	GND	N/A	N/A	CLOSE	OPEN	CLOSE	OPEN

Optical path:



Dimension:



Ordering Information

Type	Condition	Operating Wavelength	Port	Grade	Fiber Type	Fiber Length	In/Out Connector Type	
SMS	1=Non-latching	15=1550±40nm	0202=2x2	1=P	1=Bare Fiber	1=1	1=None	
		13=1310±40nm	0404=4x4	grade	2=900um Jacket	Meter	2=FC/APC	
	2=latching	35=1310/1550nm	0808=8x8	2=A			2=2	3=FC/PC
			016016=16x16	grade			Meter	4=SC/APC
			032032=32x32					5=SC/PC
			064064=64x64					6=ST
			01000=0ther					7=LC