

## Optical Switch (2x2 )

<b>Features</b>	
Low Insertion Loss High crosstalk Compact package	
<b>Application</b>	
OXC, OLP, ROADM Wavelength switch of testing system Channel switch of optic sensor system	

### Specifications

Parameters	Value
Operating Wavelength (nm)	1310/1550
Bandwidth(nm)	± 40
Insertion Loss (dB)	< 0.8
Wavelength Dependant Loss (dB)	≤ 0.30
Polaration Dependant Loss (dB)	≤ 0.05
Temperature Dependant Loss (dB)	< 0.20
Cross Talk (dB)	>55
Repeatability (dB)	< ± 0.02
Return Loss (dB)	> 55
Switching Time (ms)	<10 (Typ.4)
Coil Resistance(Lead Angle 1-5 or 6-10) (ohms)	178 ± 10%
Operating Voltage(V)	5
Maximum Power Load(mW)	500
Durability (cycle )	>10 million
Operating Temperature (°C)	0 ~ +70
Storage Temperature (°C)	-45 ~ +85
Fiber Type	SMF-28
Dimension (LxWxH) (mm)	27.2×12.8×7.5

### Electronic pins structure:

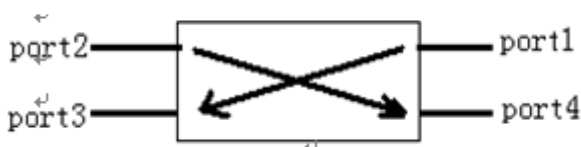
#### Non-latching

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

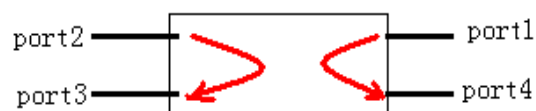
#### Latching

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

Optical path:

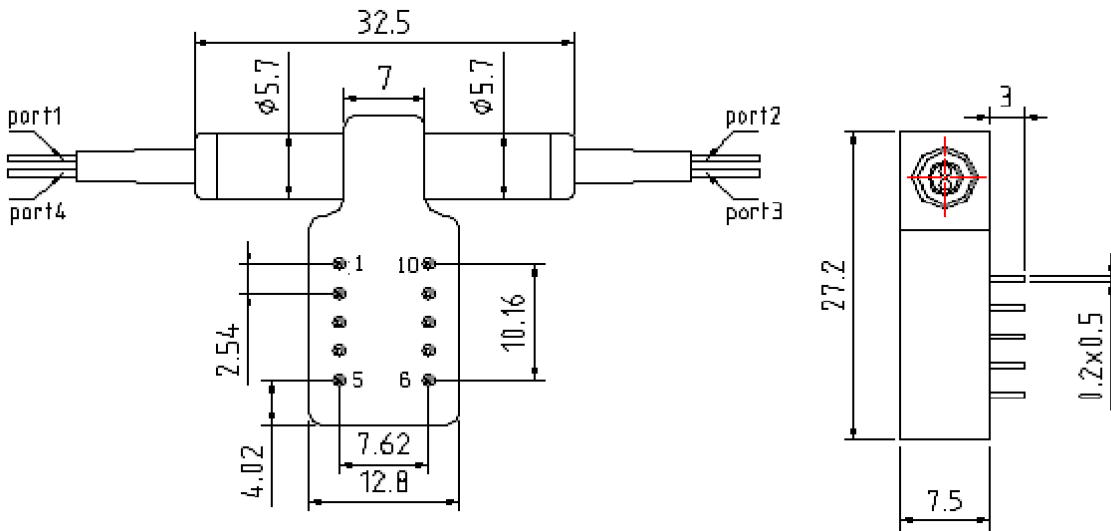


State A



State B

Dimension:



### Ordering Information

OSW	Type	Wavelength	Mode	Pigtail Type	Fiber Type	Length	Connector
	2x2	13=1310nm 15=1550nm 1315=1310/1550	L=Latching N=Non-Latching	250=250um bare fiber 900=900um loose tube	1=SMF-28e 2=50/125 3=62.5/125	1= 1m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC LC=LC/UPC XX=Other