

## Mini Optical Switch (1x4, 1x8)

### Features:

Low Insertion Loss &  
High Stability and Reliability

### Application:

Communication Network  
Lab

### Specifications:

Parameter	Value	
	1x4	1x8
Port Type	1x4	1x8
Operating Wavelength (nm)	1260-1620	1260-1620
Tested Wavelength (nm)	1550	1550
Insertion Loss (dB)	≤0.8	≤0.8
PDL (dB)	≤0.15	≤0.15
Repeatability (dB)	≤±0.05	≤±0.05
Cross Talk (dB)	≥50	≥50
Switch Speed (ms)	<10	<10
Return Loss (dB)	55	50
Operating Voltage (V)	5	5
Switch Current (mA)	120	120
Power handling (mW)	500	500
Durability (cycles)	>10 <sup>7</sup>	>10 <sup>7</sup>
Operating Temperature (°C)	-5~+65	-5~+65
Storage Temperature (°C)	-40 ~ 85	-40 ~ 85
Fiber Type	SMF-28e	SMF-28e
Dimension (LxMxH) (mm)	23x27x8.5	35X35X9

\*Above specifications are for devices without the connectors.

\*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower

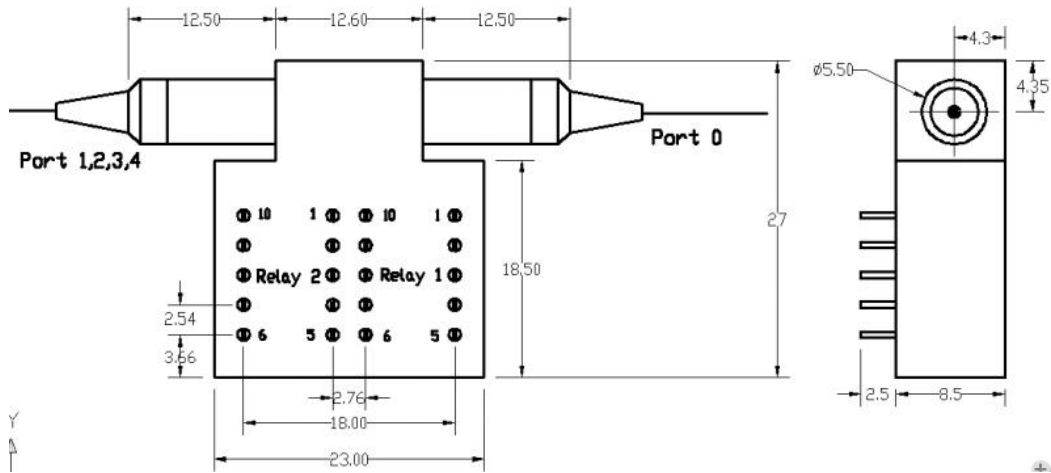
### Electrical Drive:

PIN

Relay Status		Electric Drive (Pin #)				Sensor Status (Pin #)	
		1	5	6	10	2-3,8-9	3-4,8-7
Latching	0	-	-	GND	V+	Close	Open
	1	V+	GND	-	-	Open	Close
Non- Latching	0	-	-	-	-	Close	Open
	1	V+	-	-	GND	Open	Close

	Electric Drive		
	Relay1	Relay 2	Relay 3
Com = P1 (Black)	0	0	0
Com = P2(Red)	0	0	1
Com = P3 (Blue)	0	1	0
Com = P4 (White)	0	1	1
Com = P5(Black)	1	0	0
Com = P6(Red)	1	0	1
Com = P7(Blue)	1	1	0

**Package Dimension:**



**Ordering Information:**

OSW	Pass/Reflect Wavelength	Type	Voltage	Mode	Pigtail Type	Length	Connector
	2665=1260~1650nm	4=1x4 8=1X8	005= 5V	L=Latching N=Non-Latching	2=900um loose tube S=Specify	H=0.5m 8=0.8m 1=1.0m S=Specify	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 6=LC/UPC 7=LC/APC S=Specify