

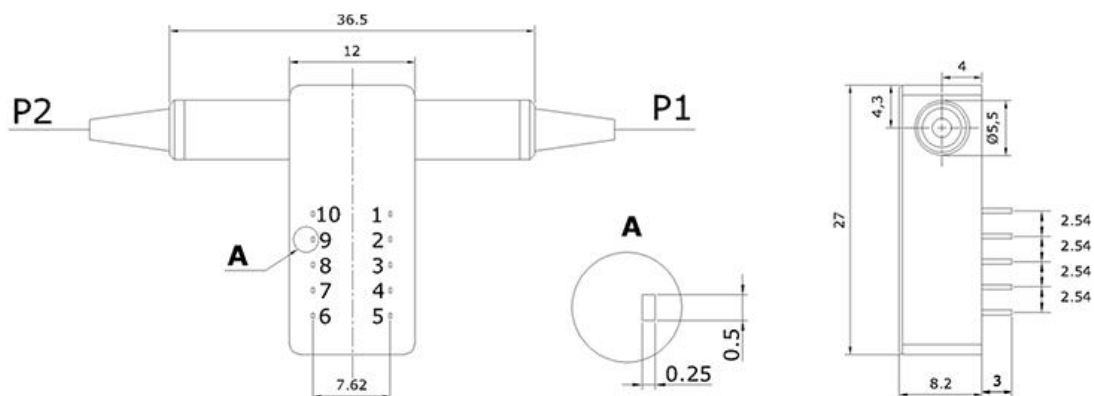
Mechanical Optical Switch (1x2,2x2B,2x2,D1x1,D1x2,D2x2B)

Features:
Low Insertion Loss & High Stability and Reliability
Application:
Communication Network

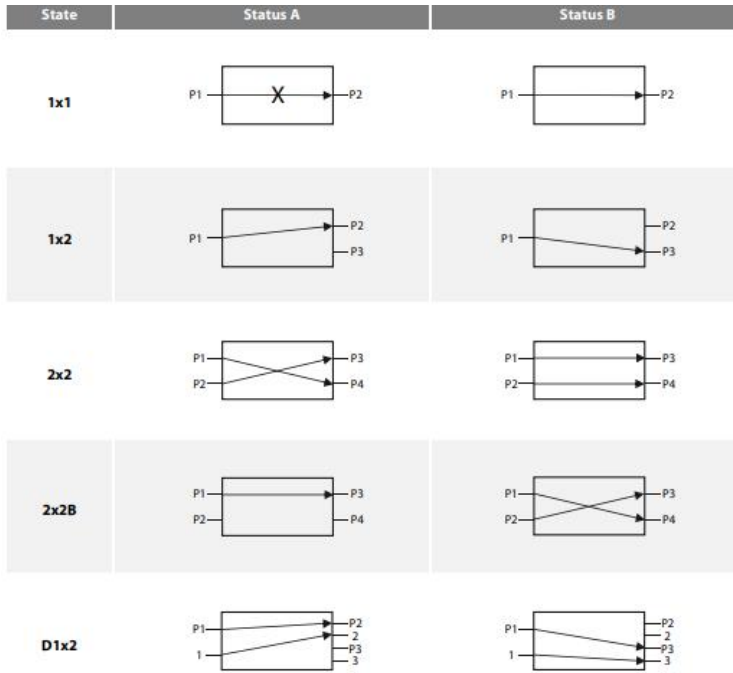
Specifications

	Value	
Tested Wavelength	1310 or 1550	850 or 1310nm
Operating Wavelength (nm)	1260~1620	850/1310
Insertion Loss (dB)	<1.0	<1.0
Wavelength Dependent Loss (dB)	<0.2	<0.2
Temperature Dependent Loss (dB)	<0.2	<0.2
Polarization Dependent Loss (dB)	<0.05	<0.05
Return Loss (dB)	>55	>30
Cross Talk (dB)	>60	>35
Switching Time (ms)	<8	
Repeatability (dB)	<±0.02	
Durability (Cycles)	>10 Million	
Operating Optical Power (mW)	<500	
Operating Voltage (V)	3~5	
Switch Type	Non-Latching/Latching	
Operating Temperature (°C)	0~70	
Storage Temperature (°C)	-40~85	
Fiber Type	G657A1 SMF-28e	50/125 or 62.5/125
Package Dimension (mm)	(L)27.0×(W)12.0×(H)8.2	

Mechanical Dimensions (unit:mm) & Status:



Mechanical Optical Switch (1x2,2x2B,2x2,D1x1,D1x2,D2x2B)



Electrical Drive

Type	Optical Route	Electric Drive				Status Sensor				
1X1		Pin 1	Pin 5	Pin 6	Pin 10	Pin 2-3	Pin 3-4	Pin 7-8	Pin 8-9	
	Latching	Light close	/	/	GND	V+	Close	Open	Open	Close
		P1-P2	V+	GND	/	/	Open	Close	Close	Open
	Non-latching	Light close	/	/	/	/	Close	Open	Open	Close
	P1-P2	V+	/	/	GND	Open	Close	Close	Open	

Type	Optical Route	Electric Drive				Status Sensor		
1X2		Pin 1	Pin 5	Pin 6	Pin 10	Pin 3-4, Pin 7-8	Pin 2-3, Pin 8-9	
	Latching	P1-P2	/	/	GND	+5V	Open	Close
		P1-P3	+5V	GND	/	/	Close	Open
	Non-latching	P1-P2	/	/	/	/	Open	Close
	P1-P3	+5V	/	/	GND	Close	Open	

Type	Optical Route	Electric Drive				Status Sensor		
2X2		Pin 1	Pin 5	Pin 6	Pin 10	Pin 3-4, Pin 7-8	Pin 2-3, Pin 8-9	
	Latching	P1-P4, P2-P3	+5V	GND	/	/	Close	Open
		P1-P3, P2-P4	/	/	GND	+5V	Open	Close
	Non-latching	P1-P3, P2-P4	/	/	/	/	Open	Close
	P1-P4, P2-P3	+5V	/	/	GND	Close	Open	

Type	Optical Route	Electric Drive				Status Sensor		
2X2B		Pin 1	Pin 5	Pin 6	Pin 10	Pin 3-4, Pin 7-8	Pin 2-3, Pin 8-9	
	Latching	P1-P3	/	/	GND	+5V	Open	Close
		P1-P4/P2-P3	+5V	GND	/	/	Close	Open
	P1-P3	/	/	/	/	Open	Close	

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	Voltage	Current	Resistor
5V Latching	4.5-5.5	36-44mA	125Ω
5V Non-Latching	4.5-5.5	26-32mA	175Ω
3V Latching	2.7-3.3	54-66mA	50Ω
3V Non-Latching	2.7-3.3	39-47mA	70Ω

Ordering Information

OSW	Wavelength	Type	Voltage	Mode	0	Pigtail Type	Length	Connector
	1310=1310nm 1550=1550nm 3155=1310/1550nm 1064=1064nm 0850=850nm	11=1x1 12=1x2 2B=2x2By pass 2F=2x2 Full D1=D1x1 D2=D1x2 D4=D2x2B	5=5V 3=3V	L=Latching N=Non-Latching	0	2=900um loose tube	H=0.5m 8=0.8m 1=1.0m B=5.0m S=Specify	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 5=MU 6=LC/UPC 7=LC/APC S=Specify