

## Mechanical 2x2 Bypass Optical Switch

### Features

- ◆ Compact size
- ◆ Low Insertion Loss
- ◆ Low WDL
- ◆ High Reliability
- ◆ Epoxy Free Optical Path
- ◆ Compliance with RoHS

### Applications

- ◆ Optical Line Protection
- ◆ Back up Switching
- ◆ Monitoring System
- ◆ OADM
- ◆ Optical Signal Routing

### Specification

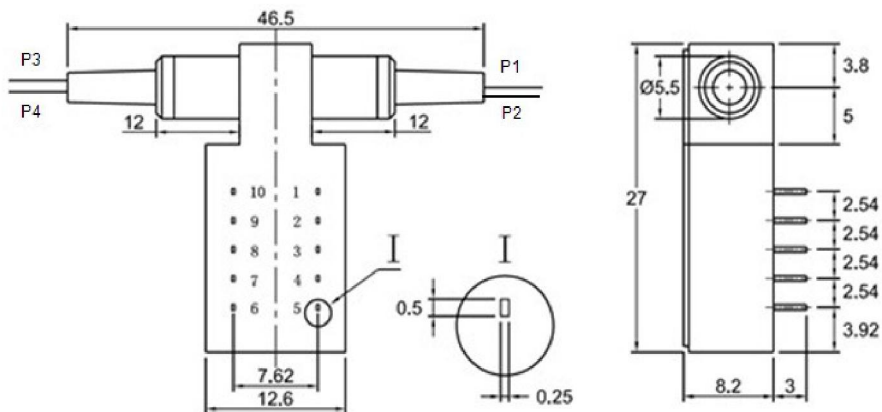
Parameters	Value	Unit
Operation Wavelength	1260~1610	nm
Test Wavelength	1310/1550	nm
Insertion Loss	Type:0.6,Max:0.8	dB
Wavelength Dependent Loss	<0.25	dB
Polarization Dependent Loss	<0.1	dB
Temperature Dependent Loss	<0.2	dB
Return Loss	>50	dB
Cross Talk	>55	dB
Switch time	<8	ms
Fiber Type	Corning SMF-28	
Operation Temperature	0~70	°C
Storage Temperature	-40~85	°C
Switch Operating Voltage	5	V
Optical Power	<300	mW
Switch Type	Latching / Non-latching	
Dimensions	L27xW12.6xH8.2	mm
Operating Temperature (°C)	-5~75	°C
Storage Temperature (°C)	-40~85	°C
Connector loss not included		

### Optical Path



## Pin Configuration

2x2 Bypass	State	Optical path	Electric Drive				Status Sensor			
			Pin 1	Pin 5	Pin 6	Pin 10	Pin 2-3	Pin 3-4	Pin 7-8	Pin 8-9
Latching	A	P1-P4, P2-P3	V+	GND	/	/	Open	Close	Close	Open
	B	P1-P3	/	/	GND	V+	Close	Open	Open	Close
Non-latching	A	P1-P4, P2-P3	V+	/	/	GND	Open	Close	Close	Open
	B	P1-P3	/	/	/	/	Close	Open	Open	Close



## Ordering Information

GLSW	Type	Switching Mode	Wavelength	Cable type	Cable length	Connector	
						input	output
GB-Link Optical Switch	101=1x1	L=Latching	13=1310nm	B=250um bend fiber	03=0.3m	0=No connector	
	102=1x2	N=Non-latching	15=1550nm		05=0.5m	1=SC/APC	
	104=1x4		1315=1310& 1550nm	09=0.9mm loose tube	10=1m	2=SC/UPC	
	202=2x2				15=1.5m	3=LC/APC	
	202=2X2				20=2m	4=LC/UPC	
	22B=2x2 Bypass					5=FC/APC	
	12D=Dual 1x2					6=FC/UPC	
	22D=Dual 2x2					ST=ST connector MU=MU connector	

F/2,D Building, Fuxin Industrial Area, 3rd Yangxia Street, Shajin Town, Shenzhen, China

Tel:86-755-27683696

Fax:86-755-36652839

[Http://www.GB-Link.com](http://www.GB-Link.com)