

1x2 Mechanical Optical Switch

Features

- Unmatched Low Cost
- Low insertion Loss
- Hig Channel Isolation
- High Stability and reliability

Applications

- Optical Network
- Protection/Restoration
- Optical Singnal Routing
- Transmitter and receiver protection



Performance Specifications

Parameters		GZ-FSW-1×2	
Wavelength Range	nm	850±40 / 1300±40	1260~1650
Operating Wavelength	nm	850/1300	1310/1490/1550/1625/1650
Insertion Loss	dB	Typ:0.8 Max:1.2	Typ:0.5 Max:1.0
Return Loss	dB	MM≥30	SM≥50
Crosstalk	dB	MM≥35	SM≥55
PDL	dB	≤0.05	
WDL	dB	≤0.25	
TDL	dB	≤0.25	
Repeatability	dB	≤±0.02	
Power Supply	V	3.0 or 5.0	
Lifetime	Time	≥10 ⁷	
Switch Time	ms	≤8	
Transmission Power	mW	≤500	
Operating Temperature	°C	-20~+80	
Storage Temperature	°C	-40~+85	
Weight	g	16	
Dimension	mm	(L)27×(W)12.0×(H)8.2	

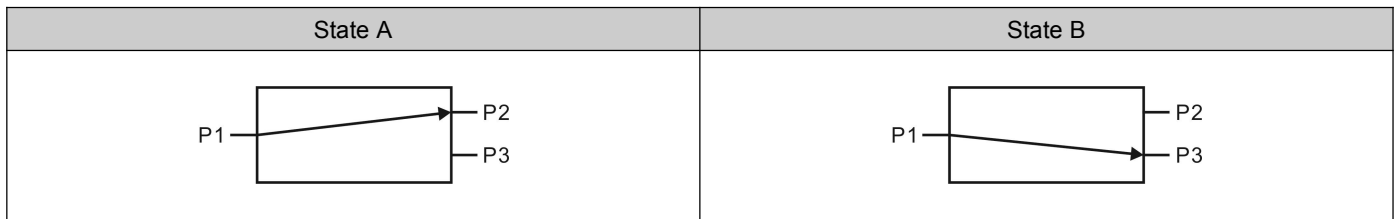
Note: 1. Customization is available.

2. Specified without connector, and add an additional 0.2dB loss per connector.

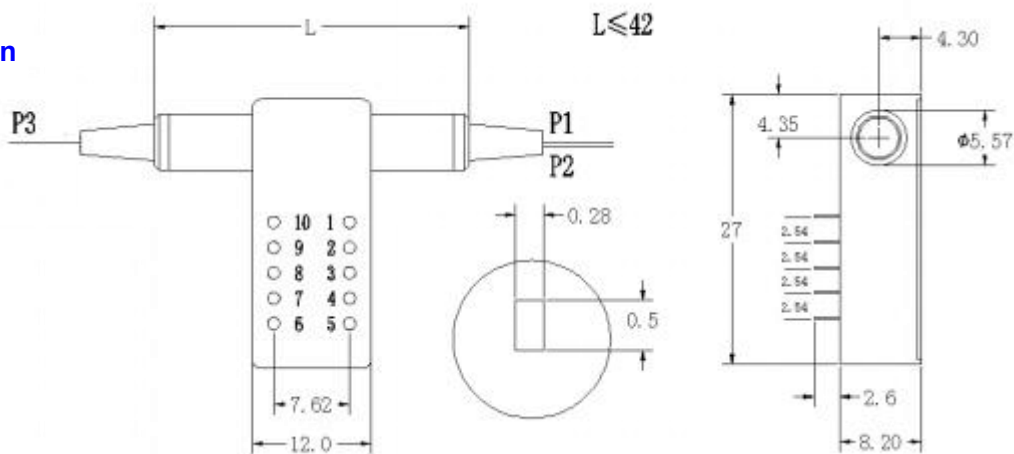
Pins

Type	Pin	Electric Drive				Status sensor			
		1	5	6	10	2-3	3-4	7-8	8-9
1×2	channel								
Latching	P1-P2	--	--	GND	V+	Close	Open	Open	Close
	P1-P3	V+	GND	--	--	Open	Close	Close	Open
Non-latching	P1-P2	--	--	--	--	Close	Open	Open	Close
	P1-P3	V+	--	--	GND	Open	Close	Close	Open

Route States



Dimension



P1: white P2: black P3: red

Ordering Information

Mode	Wavelength	Voltage Type	Control Model	Fiber Type	Fiber Diameter	Fiber Length	Connector
S=SM M=MM	85=850nm 13=1310nm 15=1550nm 13/15=1310/1550 nm X=Others	3=3V 5=5V	L=Latching N=Non-Latching	5=50/125 6=62.5/125 9=9/125 X=Others	25=250um 90=900um 20=2.0mm 30=3.0mm X=Others	1=1m 2=1.5m X=Others	00=None FP=FC/PC FA=FC/APC SP=SC/PC SA=SC/APC STP=ST/PC STA=ST/APC LP=LC/PC LA=LP/APC X=Others