

## 1×1 Mechanical Optical Switch

### Features

- Low Insertion Loss
- Wide Wavelength Range
- Low Crosstalk
- High Stability, High Reliability
- Epoxy-free on Optical Path

### Application

- MAN
- R&D in Laboratory
- System Monitoring
- Configurable OADM



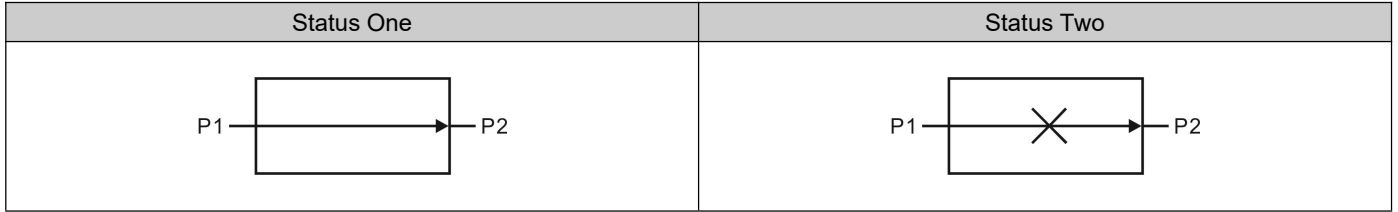
### Performance

Parameters		GZ-FSW-1×1	
Wavelength Range	nm	850±40 / 1300±40	1260~1650
Operating Wavelength	nm	850 / 1300	1310/1550
Insertion Loss	dB	Typ:0.5 Max:0.8	Typ:0.5 Max:0.8
Return Loss	dB	MM≥30	SM≥50
Crosstalk	dB	MM≥65	SM≥70
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 <sup>7</sup>	
Switch Time	ms	≤8	
Transmission Power	mW	≤500	
Operating Temperature	°C	-20~+70	
Storage Temperature	°C	-40~+85	
Weight	g	16	
Dimension	mm	(L)27.0×(W)12.0×(H)8.2	

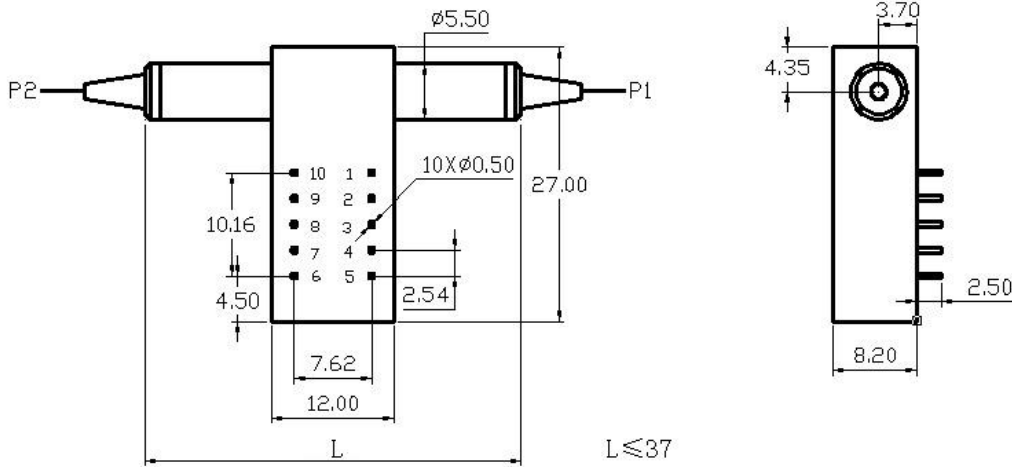
### Pins

Type	Pin	Electric Drive				Status Sensor			
1×1		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

### Optical Route



### Dimension



### Ordering Information

FSW	Mode	Wavelength	Voltage Type	Control Model	Fiber Type	Fiber Diameter	Fiber Length	Connector
1x1	S=SM M=MM	85=850nm 13=1310nm 15=1550nm 13/15=1310/1550nm 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	05=0.5m 10=1.0m X=Others	00=None FP=FC/PC FA=FC/APC SP=SC/PC SA=SC/APC LP=LC/PC LA=LC/APC