

Features

- ◆ Low insertion Loss
- ◆ Wide Wavelength Range
- ◆ High Channel Isolation
- ◆ High Stability, High Reliability
- ◆ Latching or Non-latching

1×1 Mechanical Optical Switch



Applications

- ◆ Channel Blocking
- ◆ System Monitoring
- ◆ Configurable Optical Add/Drop
- ◆ Instrumentation

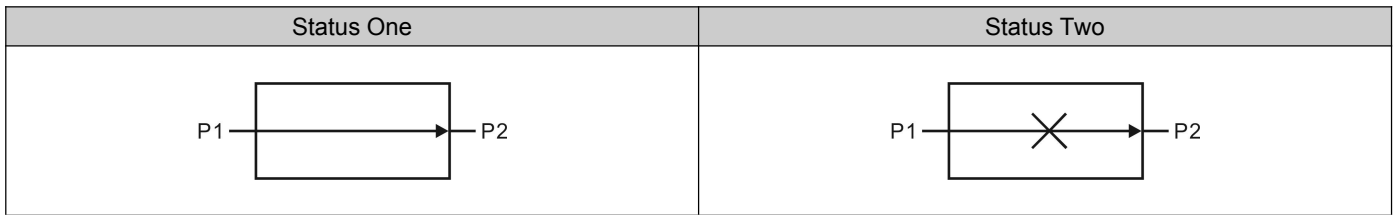
Performance

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:0.6
Return Loss	dB	MM≥30	SM≥50
Crosstalk	dB	MM≥65	SM≥70
PDL	dB	≤0.05	
WDL	dB	≤0.15	
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~+70	
Storage Temperature	°C	-40~+85	
Weight	g	16	
Dimension	mm	(L)27.0×(W)12.0×(H)8.2	

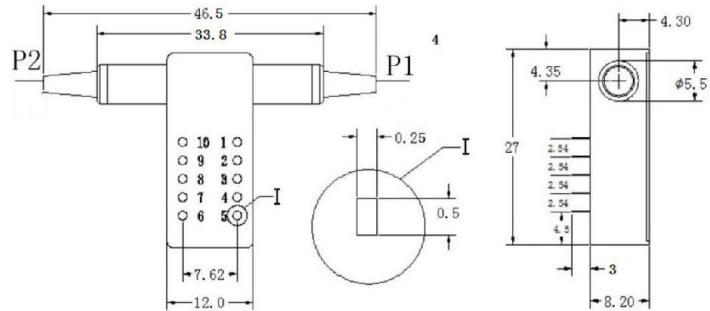
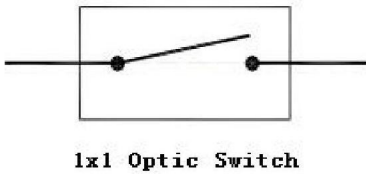
Pins

Type	Pin	Electric Drive				Status Sensor			
		Pin 1	Pin 5	Pin 6	Pin 10	Pin 2-3	Pin 3-4	Pin 7-8	Pin 8-9
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

Mode	Wavelength	Voltage Type	Control Model	Fiber Type	Fiber Diameter	Fiber Length	Connector
S=SM	85=850nm	3=3V	L=Latching	5=50/125	25:250um	1=1m	0=None
M=MM	13=1310nm	5=5V	N=Non-Latching	6=62.5/125	90:900um	2=1.5m	1=FC/PC
	15=1550nm			9=9/125	20:2.0mm	X=Others	3=FC/APC
	13/15=1310/1550 nm			X=Others	30: 3.0mm		4=SC/PC
	X=Others				X: Others		5=SC/APC
							6=ST/PC
							7=ST/APC
							8=LC/PC
							9=LC/APC