

Features

- Unmatched Low Cost
- Low insertion Loss
- High Channel Isolation
- High Stability, High Reliability
- Epoxy-free on Optical Path
- Latching or Non-latching

2×2F Mechanical Optical Switch



Applications

- Optical Network
- Protection/Restoration
- Optical Singnal Routing
- Configurable Optical Add/Drop
- Transmitter and receiver protection
- Network Test System

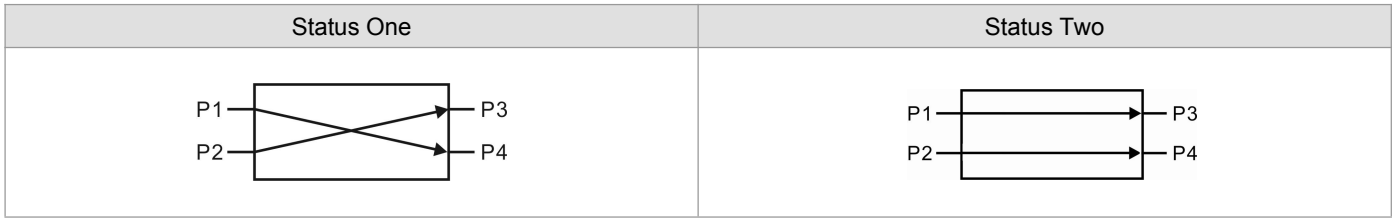
Performance

Parameters		GZ-FSW-2×2F
Wavelength Range	nm	1260~1650
OperatingWavelength	nm	1310/1550
Insertion Loss	dB	Typ:0.7 Max:1.1
Return Loss	dB	SM≥50
Crosstalk	dB	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
OperatingTemperature	°C	-20~+70
Storage Temperature	°C	-40~+85
Dimension	mm	(L)28.0×(W)12.0×(H)8.2

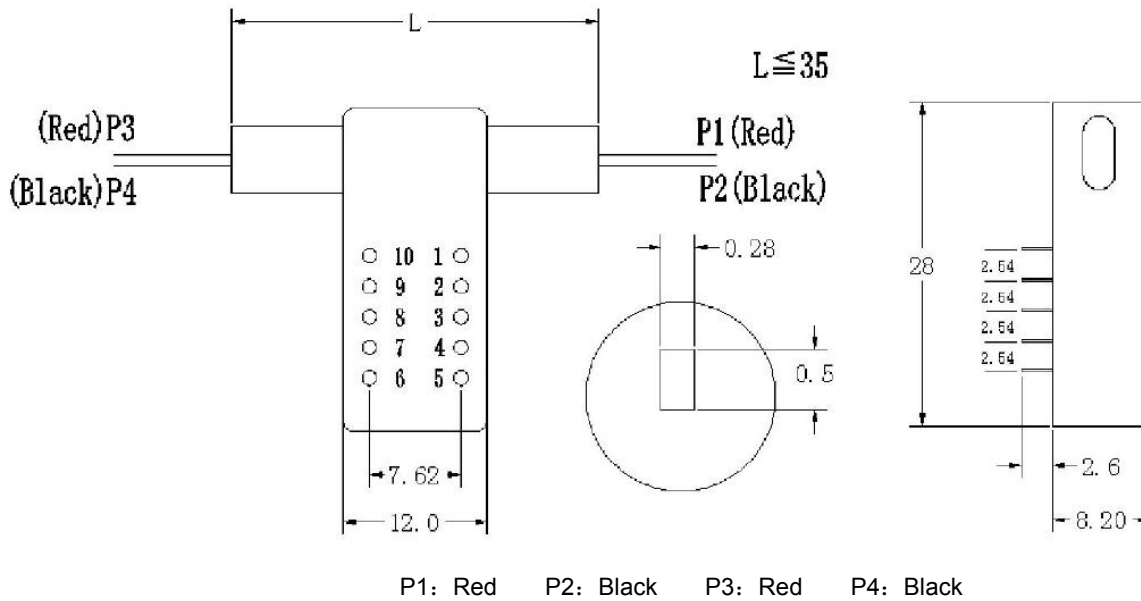
Pins

Type	Pin	Electric Drive				Status sensor			
2×2F	channel	1	5	6	10	2-3	3-4	7-8	8-9
Latching	P1-P3 P2-P4	V+	GND	--	--	Open	Close	Close	Open
	P1-P4 P2-P3	--	--	GND	V+	Close	Open	Open	Close
Non-latching	P1-P3 P2-P4	V+	--	--	GND	Open	Close	Close	Open
	P1-P4 P2-P3	--	--	--	--	Close	Open	Open	Close

Optical Route



Dimension



Electric

Specifications	Voltage	Current	Resistance
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

Mode	Wavelength	Voltage Type	Control Model	Fiber Type	Fiber Diameter	Fiber Length	Connector
S=SM M=MM	85=850nm 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	0=None 1=FC/PC 2=FC/APC 3=SC/PC 4=SC/APC 5=ST/PC 6=ST/APC 7=LC/PC 8=LC/APC X=Others