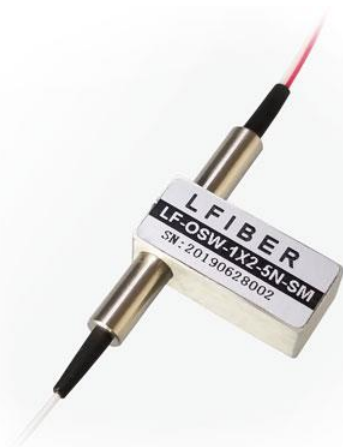


1x2 Mechanical Optical Switch



FEATURES

- ✓ Low Insertion Loss
- ✓ High Isolation
- ✓ High Reliability and Stability
- ✓ Epoxy-Free Optical Path

APPLICATIONS

- Instrumentation
- Fiber Based Sensors
- End-to-end Loss Measurement
- Optical Network Monitoring

Specifications of 1x2 Mechanical Optical Switch

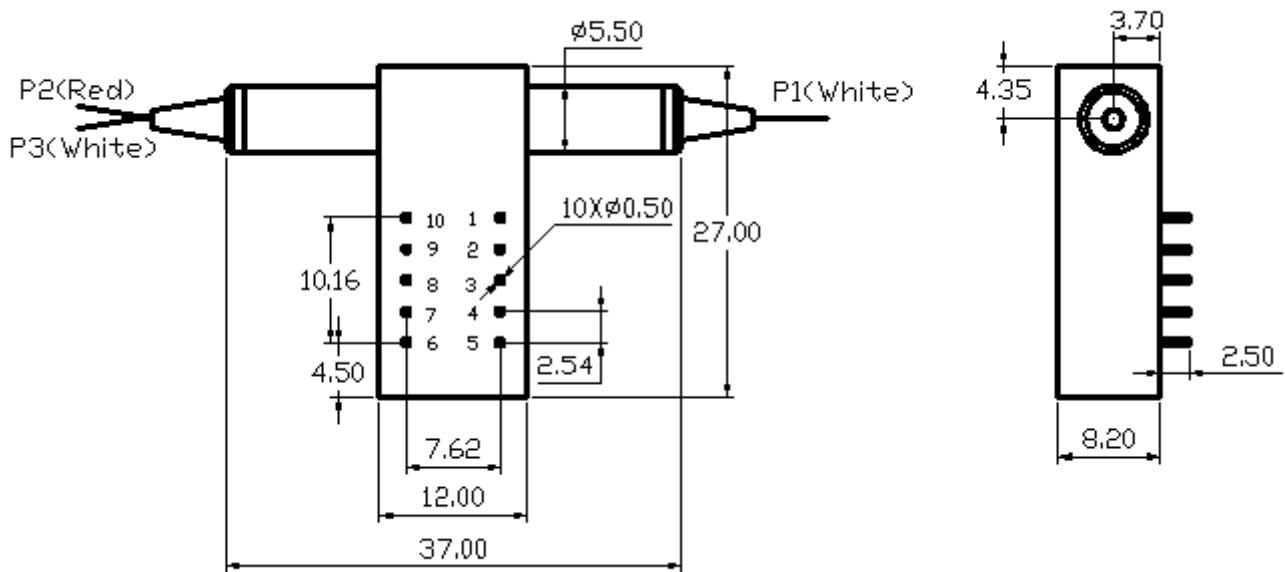
Operating Wavelength (nm)	1260~1620 (SM), 850 (MM)
Insertion Loss (dB)	≤0.6
Wavelength Dependent Loss (dB)	≤0.25
Polarization Dependent Loss (dB)	≤0.05
Temperature Dependent Loss (dB)	≤0.20
Return Loss (dB)	≥50 (SM), ≥30 (MM)
Cross Talk (dB)	≥55 (SM), ≥35 (MM)
Switch Time (ms)	≤8
Repeatability (dB)	≤±0.02
Durability (times)	≥10 ⁷
Operating Voltage (V)	3 or 5
Switch Type	Non-Latching or Latching
Operating Temperature (°C)	- 20 to +70
Storage Temperature (°C)	- 40 to +85
Optical Power (mW)	≤500
Dimension (mm)	L27.0 × W12.0 × H8.2

Pin Configurations

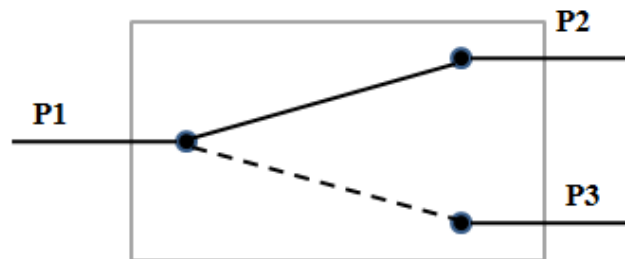
Type	Optical Path	Electric Drive				State Sensor			
		Pin 1	Pin 5	Pin 6	Pin 10	Pin 2-3	Pin 3-4	Pin 7-8	Pin 8-9
Latching	P1-P2	--	--	GND	V +	Close	Open	Open	Close
	P1-P3	V +	GND	--	--	Open	Close	Close	Open
Non-latching	P1-P2	--	--	--	--	Close	Open	Open	Close
	P1-P3	V +	--	--	GND	Open	Close	Close	Open



Package Dimensions (Unit: mm)



Optical Paths



Ordering Information

Test Wavelength	Fiber Type	Operating Voltage	Switch Type	Tube Type	Fiber Length	Connector
850nm	SM, 9/125	3V	Non-latching	$\Phi 250 \mu\text{m}$	0.5m	None
1310nm	MM, 50/125	5V	Latching	$\Phi 900 \mu\text{m}$	1.0m	FC/PC
1550nm	MM, 62.5/125			Others	1.5m	FC/APC
1310nm & 1550nm	Others				Others	SC/PC
Others						SC/APC
						LC/PC
						LC/APC
						Others



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