

Polarization Maintaining Optical Switch

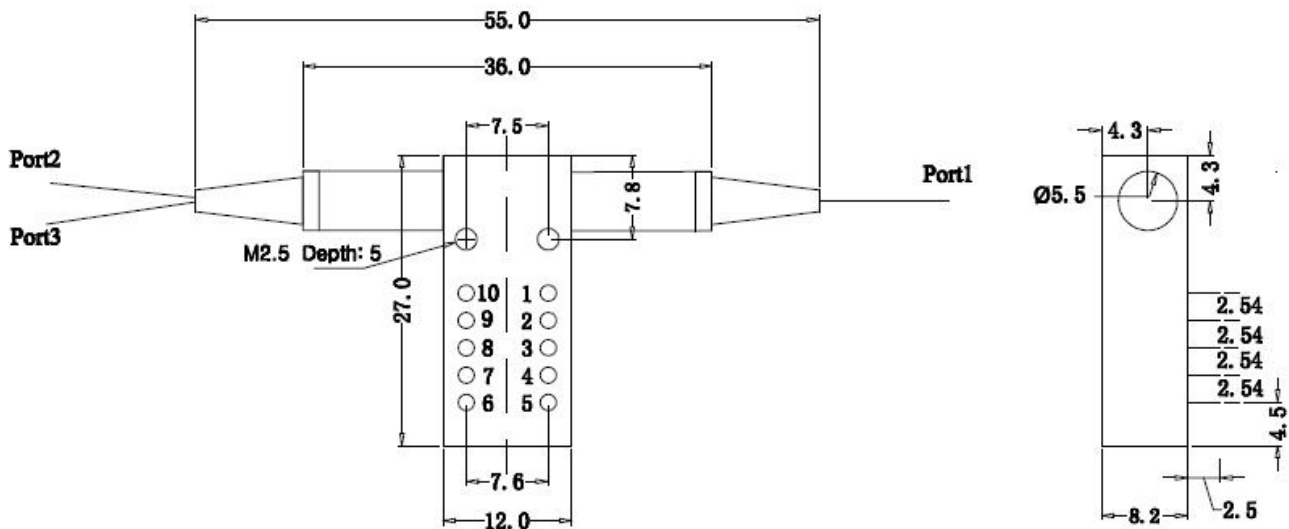
Key Features

- Wide Operating Wavelength Range
- Low insertion loss
- High extinction ratio
- Bi-directional Operation
- Excellent stability and reliability

Applications

- Optical network protection & restoration
- Re-Configurable OADM
- Instrumentation, Testing & Measurement

Mechanical Dimension



Specifications

Parameter	Unit	Specification	
Wavelength range	nm	1260~1360 or 1510~1610	
Switch type	/	Latching	Non-Latching
Insertion loss	dB	≤0.65	
WDL	dB	≤0.20	
Extinction ratio	dB	≥20	
Return loss	dB	≥50	
Cross talk	dB	≥55	
Repeatability	dB	≤±0.03	
Switching speed	ms	≤10	
Operating voltage (VDC)	V	5	
Durability	Cycles	>10 ⁸	
Operating current	mA	40	28.1
Coil resistance	Ω	125	178
Working axis	/	Both axis working.	
Handling power	mW	500	
Operating temperature	°C	0~70	
Storage temperature	°C	-40~85	
Fiber type	/	PM Panda Fiber	
Dimensions	mm	27(L) x 12(W) x 8.2(H)	

* IL is 0.3dB (1310~1550nm) higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

Electrical Configuration

Optical Path	Electric Control				Status Sensor			
	PIN1	PIN5	PIN6	PIN10	PIN2-3	PIN3-4	PIN7-8	PIN8-9
P1-P2	V+	GND	-	-	open	close	close	open
P1-P3	-	-	GND	V+	close	open	open	close

NON-Latching

Optical Path	Electric Control		Status Sensor			
	PIN1	PIN10	PIN2-3	PIN3-4	PIN7-8	PIN8-9
P1-P2	V+	GND	open	close	close	open
P1-P3	-	-	close	open	open	close

Ordering Information

PM Switch-XXX-X-XXXX-X-X-XX/XXX

