

PM Fiber Optical Switch (1x1, 1x2)

Features

- Compact Size
- Fast Response Time
- Low Insertion Loss

Applications

- Protection Switching
- Reconfiguration
- Optical Subsystems
- Array Integration

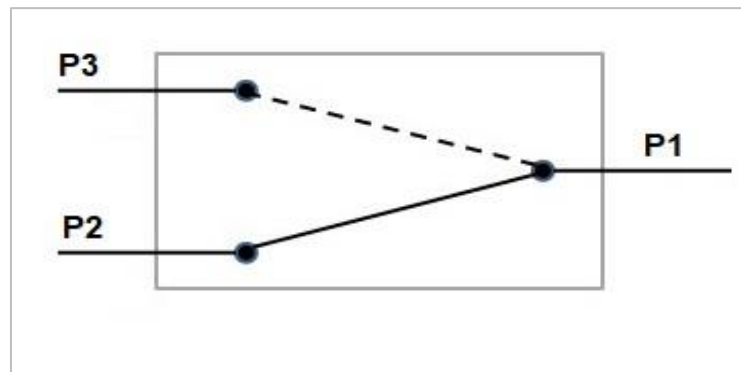
Specifications

Parameters	Unit	1x1, 1x2		
Operation Wavelength	nm	1310, 1550	760, 850	980, 1064
Insertion Loss	dB	≤1.1 (Typ. 0.7)	≤1.5 (Typ. 0.9)	≤1.2 (Typ. 0.8)
Return Loss	dB	≥50	≥40	≥50
Cross Talk	dB	≥55	≥40	≥55
Extinction Ratio	dB	≥20	≥16	≥18
Drive Voltage	V	5±0.5 DC or 5V Pulse		
Switch Time	ms	≤10		
Repeatability	dB	≤±0.02		
Lifetime	Cycle	≥10 ⁹		
Max Optical Power Handling (CW)	W	1		
Fiber Type	---	PM 1310, PM 1550	PM 850	PM 980
Dimension	mm	27x12x8.2		
Operating Temperature	°C	-20 ~ +70		
Storage Temperature	°C	-40 ~ +85		

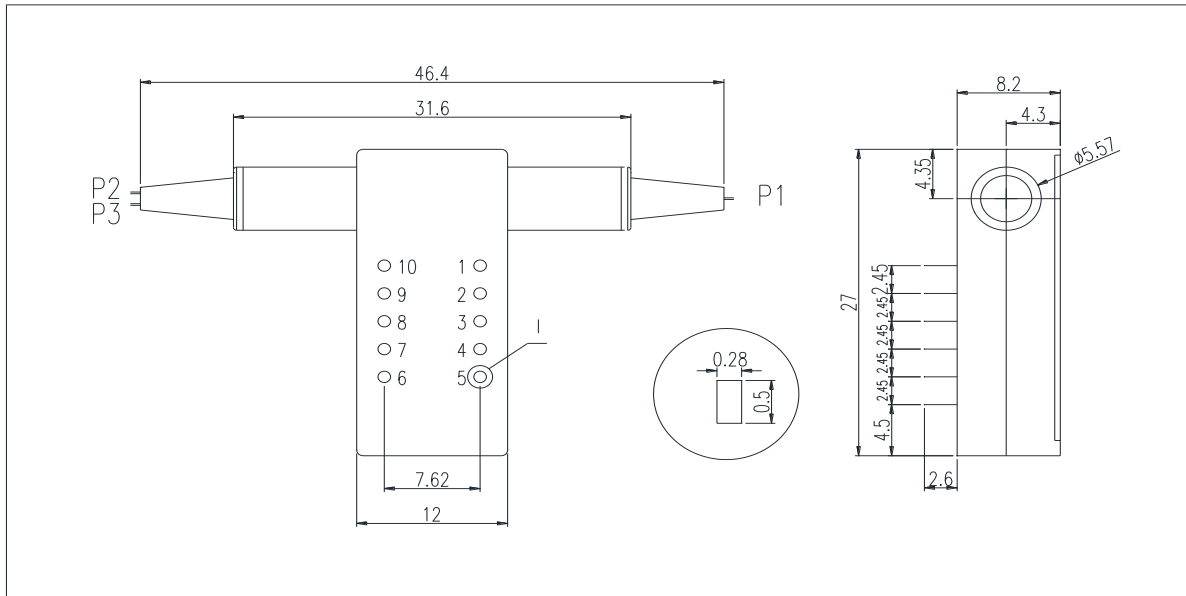
Pins

Control Model	Optical Path	Electrical Drive		Status Sensor					
		Pin1	Pin10	Pin5	Pin6	Pin2-3	Pin3-4	Pin7-8	Pin8-9
1x2	Light Pin	Pin1	Pin10	Pin5	Pin6	Pin2-3	Pin3-4	Pin7-8	Pin8-9
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

Optical Path



Package Dimension



Ordering Information

PMOSW- ①①①-②②②②-③-④-⑤⑤⑤-⑥-⑦-⑧⑧

①	Port Type	1x2; 1x1;
②	Wavelength	1310; 1550; 1310/1550; 1064; 980; 850; 760;
③	Voltage Type	5=5V;
④	Mode	L=Latching; N=Non-Latching;
⑤	Pigtail Type	250=250um Bare Fiber; 900=900um Loose Tube;
⑥	Fiber Type	5=PM Fiber;
⑦	Fiber Length	1=1m;
⑧	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Others;