

Features

- Compact size
- Built-in position monitoring
- Switching type optional
- Exceptional reliability and stability



Applications

- Optical switching
- System protection
- System monitoring
- Test & measurement

Product Description

Primanex Opto-Mechanical Switches are based on mature micro-optics technique with proven reliability and simplicity. With the state of the art technology developed by Primanex, performances are optimized for a wide range of fiber-optic applications.

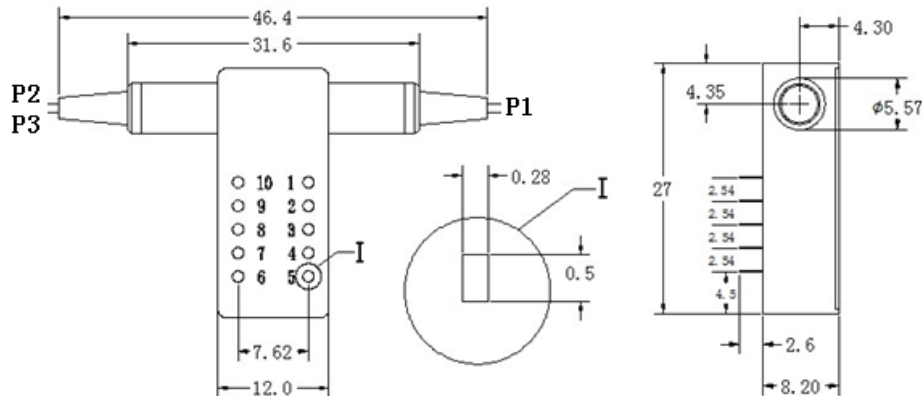
Specifications

Item	Unit	Parameter		Note
Wavelength Range	nm	1260~1620	850 / 1300	
Insertion Loss	dB	0.6 (Typ.) 1.0 (Max)	0.5 (Typ.) 0.8 (Max)	Add 0.2dB For Dual Windows
PDL	dB	≤0.1		
Cross Talk	dB	≥60		
Return Loss	dB	≥45		
Repeatability	dB	+/-0.05		
Switch speed	ms	<5		
Maximum Optical Power	mW	500	800	
Operation Temperature	°C	-20 ~ 75		
Humidity	RH%	5 ~ 85		
Storage Temperature	°C	-40 ~ 85		
Durability	cycles	≥10 ⁷		
Fiber Type	N/A	Corning SMF-28e+	62.5/125 or 50/125	Other fiber optional
Dimension (L x W x H)	mm	30 x 11 x 8.8		

*. All the specifications are based on the devices without connector, and guaranteed over wavelength, polarization and temperature.

**.: Specifications are subject to change without notice

Dimensions Drawing (Unit: mm)



Electrical specifications

Parameter	Specification	Unit
Operating Voltage	4.5~5.5	V
Operating Current	35(Typical)	mA

Pin control signal corresponding to switching status table

Control Model	Optical Path	Electric Drive				Status Sensor			
		1	5	6	10	2-3	3-4	7-8	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

Ordering information (Example: PRMS-12T1L1212)

PRMS - 12T

Operating Wavelength	Operating Type	Fiber Type	Fiber Tube	Fiber Length	Connector Type
1、1520~1625 nm	L、Latching	1、9/125 SM	1、Bare fiber	1、0.5+/-0.1 m	0、No connector
2、1280~1340 nm	N、Non-latching	2、62.5/125 MM	2、Loose tube	2、1.0+/-0.1 m	1、FC/UPC
3、1310/1550nm Dual		3、50/125 MM	3、Others	3、other	2、FC/APC
4、850 nm		4、other			3、SC/UPC
5、1300 nm					4、SC/APC
6、Others					5、LC/PC
					6、MU/PC
					7、Others

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