

2x2 PM Optical Switch Type B

Features

Low Insertion Loss
 High Return Loss
 High Extinction Ratio
 High Reliability
 Fail-safe Latching

Applications

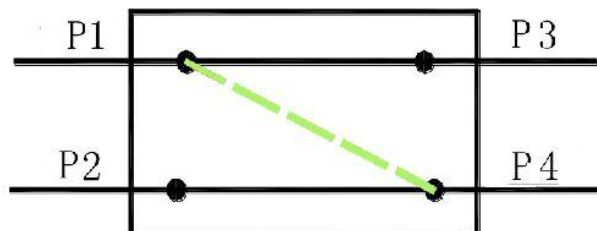
PON Network
 Protection
 Fiber Optical Instrument
 Fiber Sensor

Specifications

Parameter	Unit	Value
Type	-	2x2 Type B
Center Wavelength	nm	1530~1575
Max. Insertion Loss	dB	0.8
Min. Extinction Ratio	dB	18
Min. Return Loss	dB	50
Switch time	Times	1,000,000
Repeatability	dB	±0.02
Min. Cross Talk	dB	50
Max. Switch Time	ms	10
Switch Power Voltage	V	+5
Fiber Type	-	PM Panda Fiber
Switch Type	-	Latching or Non-Latching
Max. Handling Power CW	mW	300
Operating Temperature	°C	0~+70
Storage Temperature	°C	-40~+85
Package Dimensions	mm	L27*W12*H8.2

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower;
 The default connector key is aligned to slow axis;

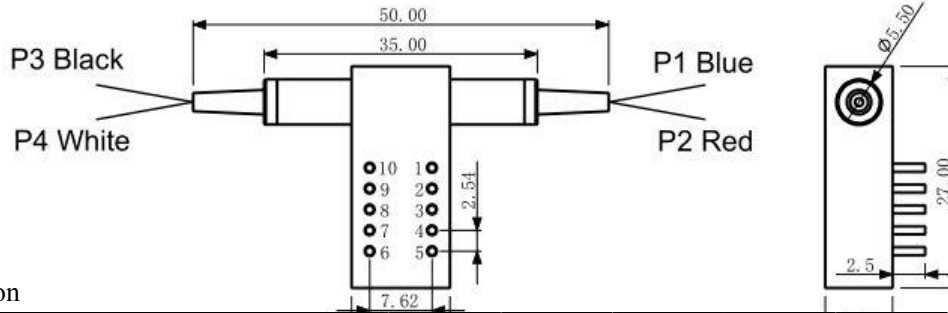
Optical Path



Package Dimension

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om <https://en.xyt-tech.com>



Pin Configuration

Type	State	Optical Route	Electric Drive				State Sensor			
2x2B			Pin 1	Pin 5	Pin 6	Pin 10	Pin 2-3	Pin 3-4	Pin 7-8	Pin 8-9
Latching	A	P1-P4	-	-	GND	V+	Close	Open	Open	Close
	B	P1-P3 P2-P4	V+	GND	-	-	Open	Close	Close	Open
Non-latching	A	P1-P4	-	-	-	-	Close	Open	Open	Close
	B	P1-P3 P2-P4	V+	-	-	GND	Open	Close	Close	Open

Ordering Information (PMSWITCH-1111-2345-7)

1111	2	3	4	5	6	7
Center Wavelength	Port Number	Axis Alignment	Switch Type	Pigtail type	Fiber length	Connector type
5257=1520-1570nm	1=1x2, 2=2X2	B=Both axis working	B=Type B, R=Type R, T=Type T	0=250 bare fiber, 1=900um loose tube	0=0.8m,1=1m	0=FC/UPC 1=FC/APC 2=SC/UPC 3=SC/APC 4=LC/UP 5=LC/APC