

## 1310-2050nm Polarization Maintaining In-line Isolator

### Features

Low Insertion Loss  
 High Return Loss  
 High Extinction Ratio  
 High Isolation  
 High Stability & Reliability

### Applications

Communication Systems  
 Test Instrument  
 Fiber Sensor  
 PM Fiber Amplifier

### Specifications

Parameter	Unit	Value			
		Single	Dual	Single	Dual
Stage	-	Single	Dual	Single	Dual
Center Wavelength	nm	2050, 2000, 1950		1550, 1480, 1310	
Operating Wavelength Range	nm	±20			
Typ. Peak Isolation at 23°C	dB	20	35	42	58
Min. Isolation at 23°C	dB	18	30	28	45
Typ. Insertion Loss at 23°C	dB	0.8	1.0	0.4	0.5
Max. Insertion Loss at 23°C	dB	1.2	1.3	0.55	0.65
Min. Extinction Ratio at 23°C	Both axis working	18		20	
	Fast axis blocked	20		23	
Min. Return Loss at 23°C (input/output)	dB	50/50			
Max. Optical Power (CW)	mW	500			
Fiber Type	-	PM Panda Fiber			
Max. Tensile Load	N	5			
Operating Temperature	°C	0~+70			
Storage Temperature	°C	-40~+85			

\*With connectors, IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower.

\*Connector key is aligned to slow axis.

### Package Dimensions



### Ordering Information

PMIS-1111-23-444-56-7-88

1111 - Wavelength:	2000=2000nm, 1550=1550nm, 1480=1480nm, 1310=1310nm, SSSS=Specified
2 - Core Type:	S=Single-core, D=Dual-core
3 - Working Axis:	B=Both axis working, F=Fast axis blocked
444 - Fiber Type:	001=PM1550, 002=PM1310, 045=PM1950, SSS=Specified
5 - Package Dimensions:	0=5.5x35mm, S=Specified
6 - Pigtail Type:	0=bare fiber, 1=900μm loose tube, S=Specified
7 - Fiber Length:	0.8=0.8m, 1.0=1.0m, S=Specified
88 - Connector Type:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specified