

## 1310-2050nm Polarization-maintaining Isolator(500mW)

### Features

- Low insertion loss
- High return loss and isolation
- Excellent environmental stability

### Application

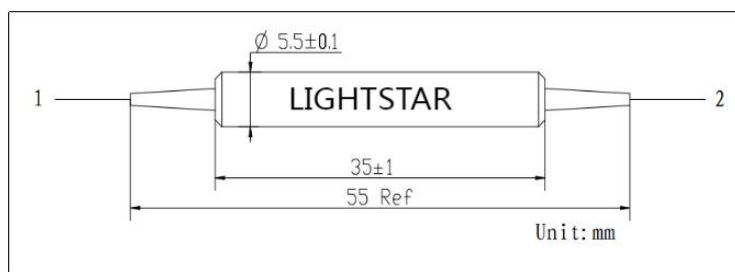
- Communication system
- Test instrument
- Optical fiber sensing

### Specifications

Parameter	Unit	Value			
		Single stage	Double stage	Single stage	Double stage
Rank					
Central wavelength	nm	2050,2000, 1950		1550,1480,1310	
Operating wavelength range	nm	±20			
Typical peak isolation @23°C	dB	20	30	42	58
Minimum isolation @23°C	dB	18	28	28	45
Typical insertion loss@23°C	dB	0.8	1.0	0.4	0.5
Maximum insertion loss@23°C	dB	1.2	1.3	0.55	0.65
Minimum extinction ratio@23°C	Biaxial operation	18		20	
	Fast axle cutoff	20		25	
Minimum return loss(input/output)	dB	50/50			
Maximum optical power(CW)	mW	500			
Fiber type		PM Panda fiber			
Maximum tensile load	N	5			
Operating temperature	°C	0~+70			
Storage temperature	°C	-40~+85			

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

### Package dimensions



### Ordering information

PMIS-①①①①-②-③-④④④-⑤-⑥-⑦-⑧

①①①①:Wavelength  
1310=1310nm  
1550=1550nm  
SSSS=Specify

②Core type  
S=Single stage core  
D=Double stage core

③:Working axis  
B=Biaxial operation  
F=Fast axle cutoff

④④④:Fiber type  
001=PM1550  
002=PM1310  
SSS=Specify

⑤:Package dimensions  
0=  $\varnothing 5.5 \times 35$ mm  
S=Specify

⑥:Pigtail type  
1=250um bare fiber  
2=900um loose tube  
S=Specify

⑦:Length  
H=0.5m  
1= 1.0m  
S=Specify

⑧:Connector  
0=None  
1=FC/UPC  
2=FC/APC  
S=Specify