

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

Features

Low insertion loss
High return loss and isolation
Excellent environmental stability

Application

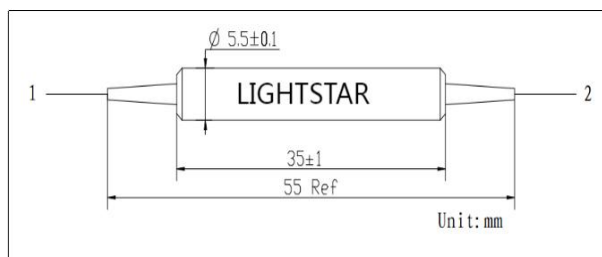
Communication system
Test instrument
Optical fiber sensing

Specifications

Parameter		Unit	Value			
Rank			Single stage	Double stage	Single stage	Double stage
Central wavelength		nm	2050,2000, 1950		1550,1480,1310	
Operating wavelength range		nm	±20			
Typical peak isolation @23℃		dB	20	30	42	58
Minimum isolation @23℃		dB	18	28	28	45
Typical insertion loss@23℃		dB	0.8	1.0	0.4	0.5
Maximum insertion loss@23℃		dB	1.2	1.3	0.55	0.65
Minimum extinction ratio@23℃	Biaxial operation	dB	18		20	
	Fast axle cutoff	dB	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		℃	0~+70			
Storage temperature		℃	-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

②:Core 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= φ5.5x35mm
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