1064nm In Line Isolator(300mW)

Features

Low insertion loss

High return loss and Isolation

Excellent environmental stability

Application

Pulse fiber laser& Optical fiber amplifier

Optical fiber communications&Scientific research

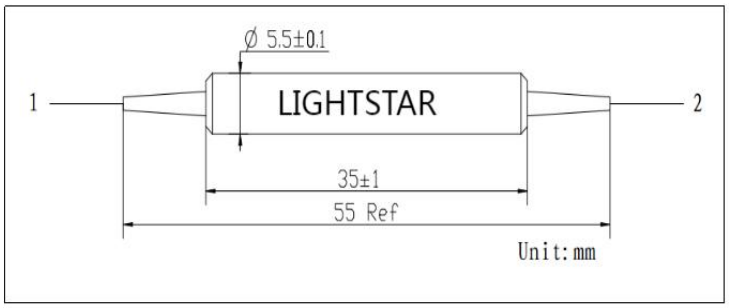
Optical fiber sensing

Specifications

Parameter		Unit	Value	
Rank			Single stage	Double stage
Central wavelength		nm	1064	
Operating wavelength range		nm	±5	
Typical peak Isolation		dB	35	52
Minimum isolation @23 ℃		dB	30	45
Typical insertion loss@ 23℃		dB	1.5	2.4
Maximum insertion loss@23℃		dB	1.8	3.2
Minimum return loss(input/output)		dB	50/50	
Minimum extinction ratio@23℃	Biaxial operation	dB	20	
	Fast axle cutoff	dB	22	
Maximum polarization dependent loss@23℃(Single mode Fiber type)		dB	0.15	
Maximum optical power(CW)		mW	300	
Maximum tensile load		N	5	
Fiber type			PM Panda fiber or Single- mode fiber	
Operating temperature		℃	-5~+50	
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/PIIS-①①①①-②-③-④④④-⑤-⑥-⑦-⑧

①①①①:Wavelength
1064=1064nm
SSSS=Specify

②:Rank
S=Single stage core
D=Double stage core

③:Working axis
B=Biaxial operation
F=Fast axle cutoff
N=Non-PM

④④④:Fiber type
001=PM1550
004=Hi1060
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