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

Features

Low insertion loss
High return loss
High extinction ratio
High isolation
High stability & Reliability

Application

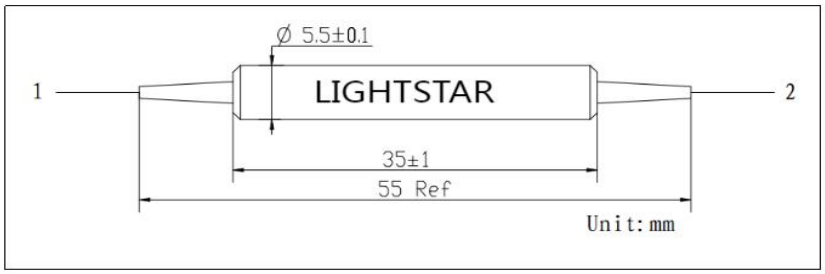
Fiber laser&Optical fiber amplifier
Test instrument&Communication system
Optical fiber sensing
Scientific research

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

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= 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