

1310-1650nm Polarization Independent Isolator

Features

Low insertion loss
High return loss
Excellent environmental stability

Application

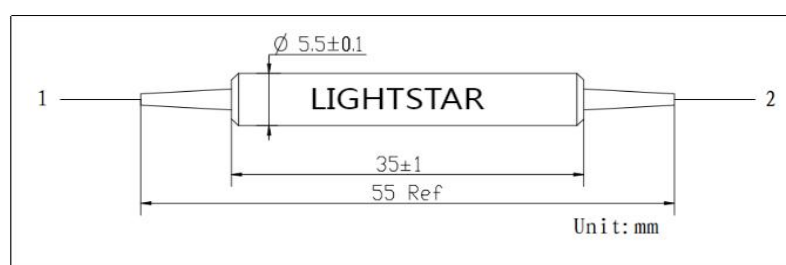
Fiber laser
Optical instrument
Test instrument

Specifications

Type	Single stage	Double stage
Operating wavelength(nm)	1530-1610,1460-1620,1650, 1625, 1550,1480,1450,1310	
Bandwidth(nm)	±15	
Isolation @23 °C (dB)	≥28 (Single WL) ≥25 (1650,wideband WL)	≥40(Single WL) ≥35 (1650, wideband WL)
Insertion loss@23 °C (dB)	≤0.50 (Single WL) ≤0.80 (wideband WL)	≤0.80 (Single WL) ≤1.0(wideband WL)
Polarization dependent loss@ 23 °C (dB)	≤0.05	≤0.10
Polarization mode dispersion(ps)	≤0.2	≤0.05
Return loss(dB)	≥60/55	
Power(mW)	≤500	
Fiber type	SMF-28e	
Operating temperature(°C)	-5~ +70	
Storage temperature(°C)	-40 ~ +80	
Package dimensions(mm)	φ5.5×L35(P1)	

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

PIIS-①①①①-②-③-④-⑤-⑥

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

②:Rank
S=Single Stage
D=Dual Stage

③:Package dimensions
1=P1(5.5*35mm)
2=P2(5.5*30mm)
S=Specify

④:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify

⑤:Length
H=0.5m
1= 1.0m
S=Specify

⑥:Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify