

1064nm Polarization Independent Isolator

Features

Low insertion loss
Low polarization dependent loss
High isolation

Application

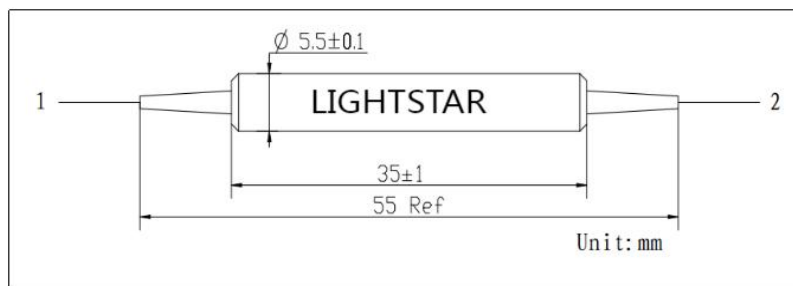
Sense system
Fiber laser
Optical fiber amplifier

Specifications

Type		Single stage		Double stage	
Parameter		P	A	P	A
Operating wavelength(nm)		1064			
Bandwidth		±5			
Peak isolation (dB)		40	38	55	52
Isolation @23°C(dB)		≥30	≥28	≥45	≥42
Typical insertion loss		1.4	1.6	2.3	2.5
Insertion loss@-5 ~ +50 °C(dB)		≤1.8	≤2.0	≤3.2	≤3.4
Polarization dependent loss@23°C(dB)	Polarization insensitive	≤0.15			
	Polarization sensitive	≥23			
Return loss(dB)		≥55/50			
Power(mW)		≤300			
Fiber type		HI 1060			
Operating temperature(°C)		-5~ +50			
Storage temperature(°C)		-40 ~ +80			
Package dimensions(mm)		φ5.5×L35,90*20*9mm			

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-①①①①-②-③-④-⑤-⑥-⑦

①①①①:Wavelength
1064=1064nm

②:Type
S=Single stage
D=Double stage

③:Rank
P=P Grade
A=A Grade

④:Package dimensions
0= 5.5*35mm
5=90*20*9mm
S=Specify

⑤:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify

⑥:Length
H=0.5m
1= 1.0m
S=Specify

⑦:Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify