

## 1310-1550nm Polarization Independent Isolator(500W)

### Features

Carry great Power  
High isolation  
Excellent environmental stability

### Application

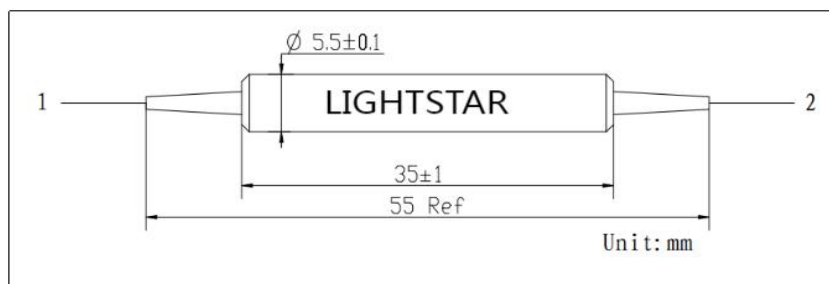
Fiber laser  
Optical fiber amplifier  
Raman fiber amplifiers

### Specifications

| Parameter                          | Unit | Value              |                   |         |         |
|------------------------------------|------|--------------------|-------------------|---------|---------|
| Type                               |      | Single stage       |                   | Double  |         |
| Rank                               |      | Grade P            | Grade A           | Grade P | Grade A |
| Central wavelength                 | nm   | 1550, 1480 or 1310 |                   |         |         |
| Bandwidth                          | nm   | ±20                |                   |         |         |
| Peak Isolation                     | dB   | 42                 | 40                | 58      | 55      |
| Isolation 23℃                      | dB   | 28                 | 26                | 48      | 45      |
| Insertion loss23℃                  | dB   | 0.35               | 0.4               | 0.4     | 0.6     |
| Maximum insertion loss-5℃-70℃      | dB   | 0.5                | 0.7               | 0.6     | 0.8     |
| Return loss(Input/Output)          | dB   | 57 / 55            | 57 / 55           | 57 / 55 | 57 / 55 |
| Polarization dependent loss at 23℃ | dB   | 0.06               | 0.1               | 0.08    | 0.15    |
| Polarization mode dispersion       | ps   | 0.2 <sup>1</sup>   | 0.25 <sup>1</sup> | 0.05    | 0.07    |
| Power(CW)                          | mW   | 500                |                   |         |         |
| Maximum tensile load               | N    | 5                  |                   |         |         |
| Fiber type                         |      | SMF-28e Fiber      |                   |         |         |
| Operating temperature              | ℃    | -5 to +70          |                   |         |         |
| Storage temperature                | ℃    | -40 to +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

PIIS-①①①①-②-③-④-⑤-⑥

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

②:Type  
S= Single stage  
D= Double stage

③:Rank  
P=P Grade  
A=A Grade

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