

## 780-2050nm Polarizer

### Features

Low insertion loss  
High extinction ratio and return loss  
Excellent environmental stability

### Application

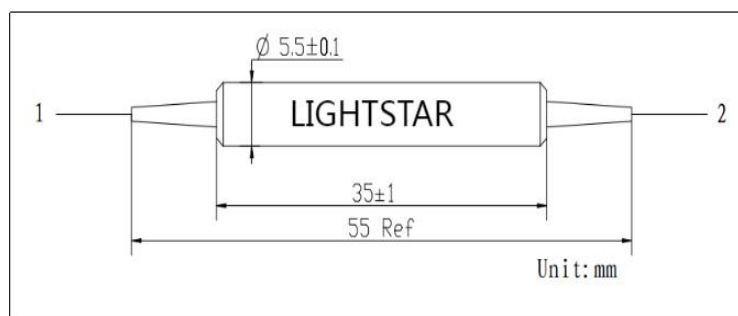
Communication system  
Test instrument  
Optical fiber sensing&Product research

### Specifications

| Parameter                    | Unit | Value                    |      |      |      |     |     |     |
|------------------------------|------|--------------------------|------|------|------|-----|-----|-----|
| Central wavelength           | nm   | 2000                     | 1550 | 1310 | 1064 | 980 | 850 | 780 |
| Operating wavelength range   | nm   | ±50                      | ±50  | ±50  | ±30  | ±10 | ±10 | ±10 |
| Typical insertion loss@23℃   | dB   | 0.8                      | 0.3  | 0.3  | 0.5  | 0.6 | 0.6 | 0.6 |
| Maximum insertion loss@23℃   | dB   | 1.0                      | 0.5  | 0.5  | 0.7  | 0.8 | 0.8 | 0.8 |
| Minimum return loss          | dB   | 50                       | 50   | 50   | 50   | 50  | 50  | 50  |
| Typ extinction ratio@23℃     | dB   | 22                       | 30   | 30   | 30   | 30  | 28  | 28  |
| Minimum extinction ratio@23℃ | dB   | 20                       | 28   | 28   | 28   | 28  | 25  | 25  |
| Input&output port fiber type | /    | SM→SM or SM→PM or PM →PM |      |      |      |     |     |     |
| Maximum optical power (CW)   | mW   | 300                      |      |      |      |     |     |     |
| Maximum tensile load         | N    | 5                        |      |      |      |     |     |     |
| Operating temperature        | ℃    | -5~+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 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

### Package dimensions



### Ordering information

ILP-①①①①-②-③③③④-⑤-⑥-⑦

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

②Working axis  
B=Bi axial operation  
F=Fast axle cutoff  
S=Specify

③③③:Fiber type  
001=PM1550  
004=HI1060  
SSS=Specify

④:Package dimensions  
0= 5.5x35mm  
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