

## 1x2 Isolator Polarization Beam Combiner/Splitter

### Features

- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Reliability
- High Stability

### Applications

- EDFA & Raman Amplifier
- Fiber Sensor
- Coherent Telecommunication Systems
- Polarization Mode Dispersion Compensator

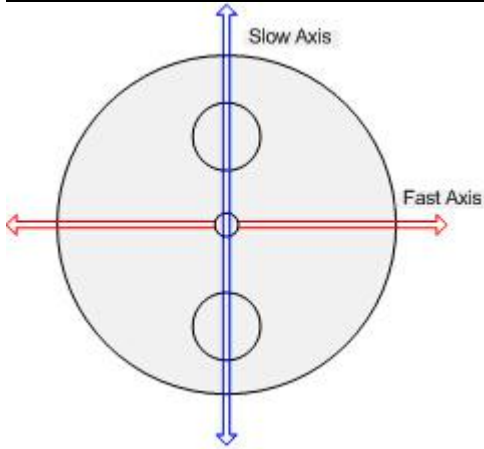


### Specifications

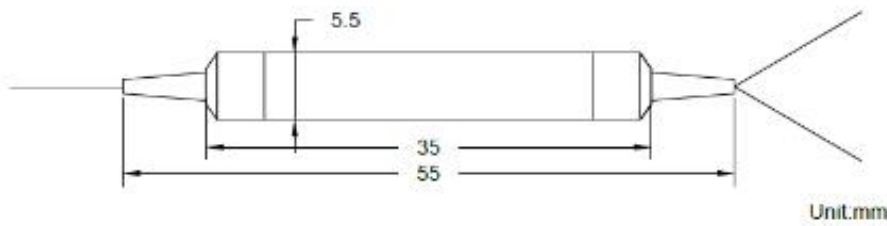
| Parameters                 | Unit      | Values    |                                     |      |
|----------------------------|-----------|-----------|-------------------------------------|------|
|                            |           | Dual      | Single                              |      |
| Stage                      | -         | Dual      | Single                              |      |
| Center Wavelength          | nm        | 1310,1550 | 1310,1550                           | 1064 |
| Operating Wavelength Range | nm        | ±20       | ±20                                 | ±5   |
| Typ.Insertion Loss at 23℃  | dB        | 0.55      | 0.45                                | 1.8  |
| Max.Insertion Loss at 23℃  | dB        | 0.80      | 0.70                                | 2.1  |
| Typ.Isolation              | dB        | 51        | 35                                  | 35   |
| Min.Isolation              | dB        | 42        | 20                                  | 25   |
| Min.Extinction Ratio       | dB        | 25        | 20                                  | 20   |
| Directivity                | dB        | 50        |                                     |      |
| Min.Return Loss            | dB        | 50        |                                     |      |
| Max.Optical Power(CW)      | mW        | 300       |                                     |      |
| Max.Tensile Load           | N         | 5         |                                     |      |
| Fiber Type                 | Port1 & 2 | -         | PM Panda Fiber                      |      |
|                            | Port3     | -         | PM Panda Fiber or SMF-28e or Hi1060 |      |
| Operating Temperature      | ℃         | -5~+70    |                                     |      |
| Storage Temperature        | ℃         | -40~+85   |                                     |      |

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower;  
The default connector key is aligned to slow axis;

### Fast and slow axis



**Package Dimensions**



**Ordering Information**

| Center Wavelength                                      | Grade                                   | Fiber type for Port 3   | Fiber type for Port 1,2                  | Pigtail type  | Fiber length    | Connector type  |
|--|---|---|--|---|-----------------|---|
| 1550=1550 nm,<br>1310=1310 nm,<br>.....,<br>0850=850nm | S=Single-core type,<br>D=Dual-core type | 1=Panda fiber aligned to Port1,<br>2=smf-28e,<br>3=hi1060,<br>4=Panda fiber 45°aligned to Port1 | 1=Panda fiber,<br>2=smf-28e,<br>3=hi1060 | 0=250 bare fiber,<br>1=900um loose tube,<br>2=2.0mm loose tube,<br>3=3.0mm loose tube | 0=0.8m,<br>1=1m | 0=FC/UPC,<br>1=FC/APC,<br>2=SC/UPC,<br>3=SC/APC,<br>4=LC/UPC,<br>5=LC/APC |