

## 80μm Polarization-Maintaining Optical Fiber Polarizer



### Product Features

- Stable extinction ratio
- Low insertion loss
- Low back reflection
- Bi-Directional Operation
- All-Fiber Construction

### Product Applications

- Optical testing systems
- Optical fiber sensors
- Optical fiber Lasers
- Optical Sources

| Specifications               |      |      |                         |         |
|------------------------------|------|------|-------------------------|---------|
| Parameter                    |      | Unit | Premium Grade           | A Grade |
| Central Operating Wavelength |      | nm   | 1310, 1550, 2000        |         |
| Bandwidth                    | Max. | nm   | +/-30                   | +/-20   |
| Extinction ratio             | Min. | dB   | 24                      | 22      |
| Insertion loss               | Typ. | dB   | 0.5                     | 0.8     |
| Max Insertion Loss           | Max. | dB   | 0.8                     | 1.2     |
| Operating Temperature        |      | °C   | -40 to +85              |         |
| Storage Temperature          |      | °C   | -55 to +85              |         |
| Package Size                 |      | mm   | S5=Ø3x40 / S6=Ø3x54     |         |
| Fiber Type                   |      |      | 80/165μm Panda PM fiber |         |

### Ordering Information

|   |   |   |   |            |   |   |   |           |                 |             |              |           |  |
|---|---|---|---|------------|---|---|---|-----------|-----------------|-------------|--------------|-----------|--|
| P | M | F | P |            | 1 | 0 | 0 |           |                 |             |              |           |  |
|   |   |   |   | Wavelength |   |   |   | Grade     | Package         | Fiber Type  | Fiber Length | Connector |  |
|   |   |   |   | 4=1550nm   |   |   |   | P=Premium | 4=S5 with       | F=80μm      | 0=0.5m       | 0=None    |  |
|   |   |   |   | 7=1310nm   |   |   |   | A=A Grade | 80/165μm bare   | Panda fiber | 1=0.75m      |           |  |
|   |   |   |   | P=2000nm   |   |   |   |           | fiber           |             | 2=1.0m       |           |  |
|   |   |   |   | S=Specify  |   |   |   |           | 5=S6 with 0.9mm |             | 3=1.5m       |           |  |
|   |   |   |   |            |   |   |   |           | loose tube      |             | 4=2.0m       |           |  |
|   |   |   |   |            |   |   |   |           |                 |             | S=Specify    |           |  |

Note: 1. Central Wavelength can be customized for different applications.  
 2. All specifications are subject to change without notice.  
 3. All data are measured at central wavelength at room temperature.