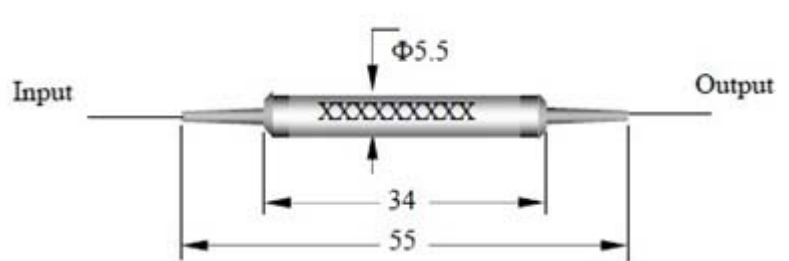




Polarization Maintaining Isolator 1064nm

The Polarization Maintaining Micro Optics Components are characterized with low IL, high return loss, high extinction ratio and excellent environmental stability and reliability. They are ideal for polarization maintaining fiber amplifiers, fiber lasers, high speed communication system and instrumentation applications.



Features

- ◆ Low Insertion Loss
- ◆ High Extinction Ratio
- ◆ High isolation
- ◆ High Stability and Reliability

Applications

- ◆ Fiber Laser
- ◆ Fiber Sensor
- ◆ EDFA & Raman Amplifier

Performance Specifications

| Parameter | Value | |
|----------------------------|---------------------------------|------------|
| | Single Stage | Dual stage |
| Stage | Single Stage | Dual stage |
| Operating wavelength(nm) | 1064 | |
| Operating bandwidth(nm) | ±5 | |
| Typical insertion loss(dB) | ≤1.6 | ≤2.6 |
| Extinction Ratio (dB) | ≥20(Type B) or ≥23(Type F) | |
| Isolation(dB) | ≥30 | ≥45 |
| Return loss(dB) | ≥55/50 | |
| Handling power(mW) | <300 | |
| Tensile Load(N) | <5 | |
| Fiber Type | PM 980 | |
| Operating temperature(°C) | -5 ~ +70 | |
| Storing temperature(°C) | -40 ~ +85 | |
| Package dimension(mm) | Ø5.5 x 35 or customer specified | |

*Above specifications are for device without connector.

* "B" for both axis working, "F" for Fast axis blocking.

*For devices with connectors, IL will be 0.5dB higher, RL will be 5dB lower and ER will be 2dB lower.

*The PM fiber and the connector key are aligned to the slow axis and fast axis is blocked.

Order information

PMI-①-②②-③③-④④-⑤⑤



| ① | ②② | ③③ | ④④ | ⑤⑤ |
|---------------------------------|------------------------|------------------------------------|---------------------------------|--|
| Stage | Operating Wave-length | Fiber Diame-ter | Fiber Length | Connector |
| S:Single Stage D: Dual stage | 06:1064nm XX:Others | 25:250um 90:900um XX: Others | 08:0.8m 10:1.0m XX:Others | 00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC XX: Others |