

## Polarization Maintaining Pulse Isolator(1064nm)

### Product Features

- Wide Operating Wavelength
- High isolation & Low insertion loss & Low ER
- Mini Size

### Product Applications

- EDFA
- Transmitters & Fiber Laser
- WDM & DWDM System
- Testing instruments

## Specifications

| Parameter                       | Single Grade                     | Dual Grade |
|---------------------------------|----------------------------------|------------|
| Operating wavelength (nm)       | 1064                             |            |
| Bandwidth (nm)                  | ±5                               |            |
| Peak isolation (dB)             | 40                               | 55         |
| Isolation (at 23°C) (dB)        | ≥30                              | ≥45        |
| Typ. Insertion Loss (at 23°C)   | 1.5                              | 2.4        |
| Insertion Loss (at-5 ~ +70 °C)  | ≤1.8                             | ≤3.2       |
| Extinction Ratio (dB)           | ≥20                              | ≥20        |
|                                 | Type 2<br>(Both of axis working) |            |
| Return loss (Input/Output) (dB) | ≥50                              |            |
| Power handling (mW)             | ≤300                             |            |
| Pulse Power (W)                 | 30                               |            |
| Fiber Type                      | PM 980                           |            |
| Operating temperature (°C)      | -5~+70                           |            |
| Storage temperature (°C)        | -40 ~ +80                        |            |
| Dimensions (mm)                 | φ5.5×L35                         |            |

Remark:

\* Above specifications are for device without connector.

\* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER

\* Both axis working

**Ordering Information**

| <b>PMI</b> | <b>Wavelength</b> | <b>stage</b>                     | <b>Grade</b> | <b>Pigtail Type</b>                                | <b>Fiber Length</b>                 | <b>Connector</b>  |
|------------|-------------------|----------------------------------|--------------|--|-------------------------------------|---|
| 1x1        | 1064nm<br>Specify | Single<br>stage<br>Dual<br>Stage | P<br>A       | 250um bare fiber<br>900um loose<br>tube<br>Specify | 0.5m<br>1m<br>1.5m<br>2m<br>Specify | N=None<br>FC/APC<br>FC/UPC<br>SC/APC<br>SC/UPC<br>LC/UPC<br>Specify |