



## 1064nm Polarization Maintaining Isolator

(PMI Series)

The 1064nm Polarization Maintaining Isolator is a micro optics device with low insertion loss, high isolation, high return loss, high extinction ratio and excellent environmental stability and reliability. It is ideal for amplifiers, fiber lasers and test instruments application.



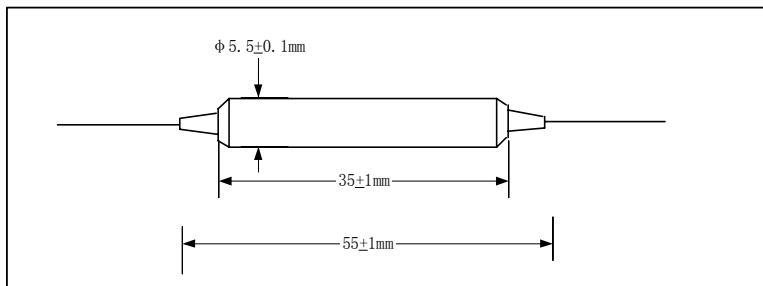
### Specifications

| Parameters  | Unit | Single Stage                  |            | Dual Stage |         |
|---|------|-------------------------------|------------|------------|---------|
|   |      | Grade P                       | Grade A    | Grade P    | Grade A |
| Center Wavelength ( $\lambda_c$ )                                       | nm   |                               | 1064       |            |         |
| Min. Extinction Ratio   | dB   | 20                            | 18         | 20         | 18      |
| Typ. Peak Isolation   | dB   | 38                            | 36         | 55         | 52      |
| Min. Isolation at 23°C; $\lambda_c$ , all polarization states           | dB   | 35                            | 32         | 45         | 42      |
| Typ. Insertion Loss at 23°C; $\lambda_c$ , all polarization states      | dB   | 1.5                           | 1.6        | 2.4        | 2.6     |
| Max. Insertion Loss at -5°C-50°C; $\lambda_c$ , all polarization states | dB   | 2.0                           | 2.2        | 3.4        | 3.6     |
| Min. Return Loss (input/output)   | dB   | 55 / 50                       | 55 / 50    | 55/50      | 55/50   |
| Max. Optical Power  | mW   |                               | 300        |            |         |
| Max. Tensile Load   | N    |                               | 5          |            |         |
| Fiber Type  |      | PM 980 Panda Fiber or Specify |            |            |         |
| Operating Temperature   | °C   |                               | -5 to +50  |            |         |
| Storage Temperature   | °C   |                               | -40 to +85 |            |         |

\*Above specifications are for device without connector.

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

### Package Dimensions



### Ordering Information

**PMI-06-①-②-③-④-⑤**

①: Stage

1- Single Stage

2- Dual Stage

②: Grade

P - Premium grade

A - A grade

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④: Fiber Type

B - 250um Panda Fiber

D - 400um Panda Fiber

L - 900um loose tube Panda Fiber

S - Specify

⑤: Fiber Length

Q - 0.75m

S - Specify

Remark: The PM fiber and the connector key are aligned to the slow axis