

# 0102 PM Isolator

L2002-P



## 980 nm Polarization Maintaining Isolator, 300 mW

The polarization maintaining optical isolator is a device, which allows the light to transmit through the passive route from input to output, while blocking the reversed direction. The device is characterized with high isolation, high return loss and low insertion loss. It has been widely used in communication systems, test Instrument, fiber sensor and research.

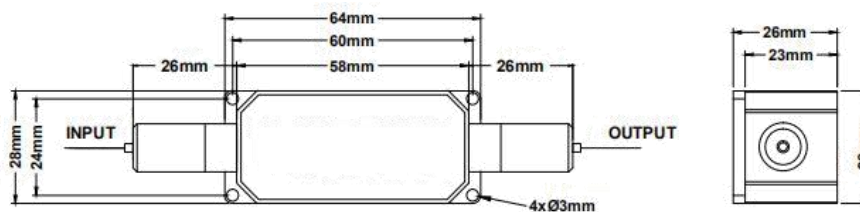
### FEATURES

- High Isolation
- Low Insertion Loss
- High Return Loss
- High Stability & Reliability

### USE IN

- Fiber Sensor
- Test Instrument
- Ultra-fast Fiber Laser
- Fiber Laser

### MECHANICAL DRAWING



Center Wavelength	980 nm
Operating Wavelength Range	±5 nm
Isolation	30 dB typ. @ Peak; 26 dB min.
Insertion Loss	0.8 dB typ.; 1.0 dB max.
Extinction Ratio	20 dB min.
Return Loss (In/Out)	45 dB min.
Power Handling	300 mW, 1 W, 5 W, 10 W or Specified
Peak Power for ns Pulse	10 kW or Specified
Fiber Type	PM Fiber
Dimension	64 x 28 x 26 mm
Tensile Load	5 N max.
Operating Temperature	+10°C to +50°C
Storage Temperature	0 to +60°C

\* With connectors, the handling power is 1 W only, IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower.

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**