

0101 Isolator

L2001-S



980 nm Polarization Insensitive Isolator, 300 mW

The polarization insensitive 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 fiber sensor, test Instrument, fiber laser.

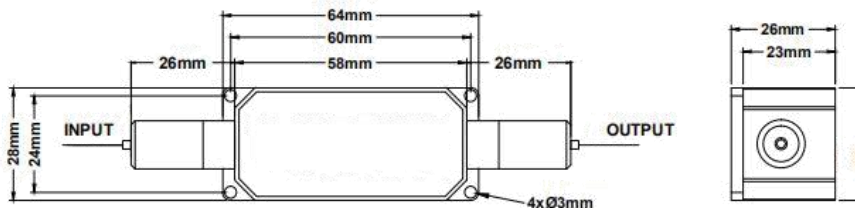
FEATURES

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

USE IN

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

MECHANICAL DRAWING



Center Wavelength	980 nm
Operating Wavelength Range	±5 nm
Isolation	30 dB typ. @ Peak; 25 dB min.
Insertion Loss	0.8 dB typ.; 1.0 dB max.
Polarization Dependent Loss	0.15 dB max.
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
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 handing 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.