

0102 PM Isolator

L5100-P



2000 nm In-line Isolator, PM, Single Stage

This polarization maintaining optical isolator has very low insertion loss, high return loss, high isolation, high extinction ratio and high stability & reliability. It can be used for fiber sensor, testing instrument, communication systems and PM fiber amplifier.

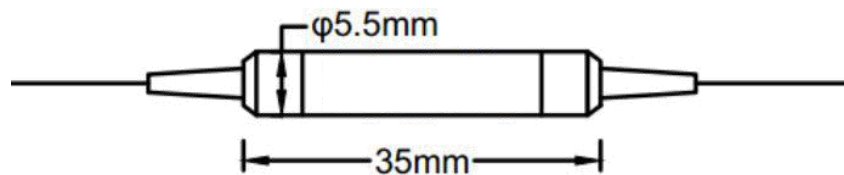
FEATURES

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

USE IN

- Testing Instrument
- Communication Systems
- Fiber Sensor
- PM Fiber Amplifier

MECHANICAL DRAWING



Center Wavelength	2000 nm
Operating Wavelength Range	±20 nm
Isolation	20 dB typ. @ Peak; 18 dB min.
Insertion Loss	0.80 dB typ.; 1.20 dB max.
Extinction Ratio	20 dB min.
Return Loss (In/Out)	50/50 dB min.
Power Handling	500 mW max.
Tensile Load	5 N max.
Fiber Type	PM Fiber
Dimension	5.5x5.5x35 mm
Operating Temperature	0°C to +70°C
Storage Temperature	40 to +85°C

* With connectors, IL is 0.3 dB higher, RL is 5 dB lower, 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.