

# 0106 Reflecting Mirror

FR3100-P



## 2000 nm In-line Faraday Rotator, PM

The FR3100-P has very low insertion loss, high return loss and high stability & reliability. It can be used for fiber lasers, fiber sensor, fiber optic instruments, research and coherent detecting.

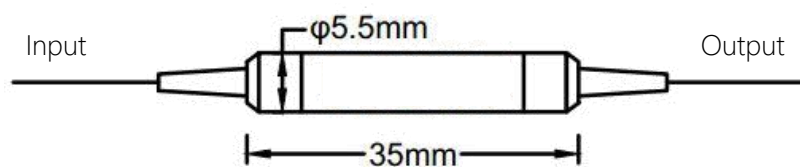
### FEATURES

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

### USE IN

- Fiber Optic Instruments
- Coherent Detecting
- Fiber Sensor
- Fiber Lasers
- Research

### MECHANICAL DRAWING



Center Wavelength	2000 nm
Operating Wavelength Width	±15 nm
Insertion Loss	1.3 dB max.
Extinction Ratio	18 dB min.
Faraday Rotation Angle for CWL	45 deg
Rotation Angle Tolerance at 23 °C for CW	±2 deg max.
Polarization Mode Dispersion	0.05 ps max.
Power Handling	300 mW max.
Tensile Load	5 N max.
Axis Alignment	Both Axis Working
Fiber Type	PM Fiber
Operating Temperature	+5°C to +70°C
Storage Temperature	-40°C to +85°C

**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.**