

0106 Reflecting Mirror

FR1000-S



1310 nm/1550 nm Faraday Rotator, Single Mode

The single mode Faraday rotator featured with a low insertion loss, high return loss, high extinction ratio and excellent environmental stability & reliability. They are ideal for single mode fiber amplifiers, fiber lasers, Telecom system and instrumentation applications.

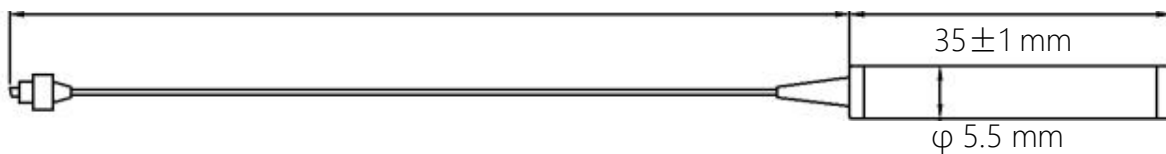
FEATURES

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

USE IN

- Fiber Optic Instruments
- Fiber Sensor
- Fiber Lasers

MECHANICAL DRAWING



Center Wavelength	1310 nm or 1550 nm
Operating Wavelength Range	±15 nm from Center
Insertion Loss	1.0 dB max.
Double Faraday Angle	90±1@1550 nm/1310 nm
Angle Temperature Sensitivity	0.13 °/°C
Polarization Dependent Loss	0.1 dB max.
Polarization Mode Dispersion	0.1 ps max.
Return Loss	45 dB min.
Max. Power Handling	300 mW
Operating Temperature	-5°C to +70°C
Storage Temperature	-40°C to +85°C
Fiber Type	SM Fiber
Dimensions	5.5x5.5x35 mm

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.