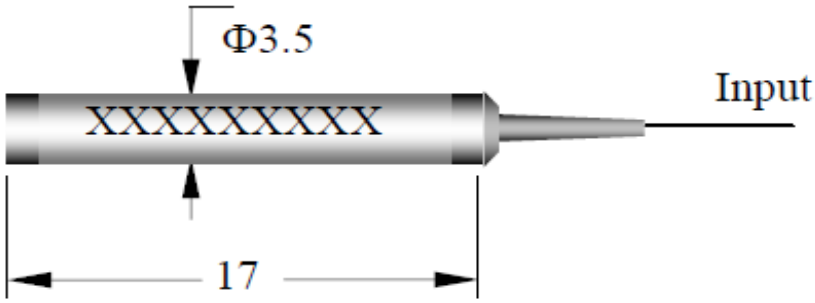
Polarization Maintaining Faraday Rotator Mirror 1064nm

The Polarization Maintaining Faraday Rotator Mirror 1064nm are characterized with low IL, high return loss, high extinction ratio and excellent environmental stability and reliability. They are ideal for polarization maintaining fiber amplifiers, fiber lasers, and high speed communication system and instrumentation applications.

The products are Telcordia qualification tested.



Features

- High isolation
- Low insertion loss
- Excellent stability and reliability
- High power handling

Applications

- Fiber laser
- Fiber amplifier
- Sensor
- Polarization maintaining optical system

Performance Specifications

Parameter	In-line Faraday Rotator
Operating Wavelength(nm)	1064
Bandwidth (nm)	±5
Typ. Insertion Loss(dB)@23℃	2.6
Insertion Loss(dB)	≤3.0
Extinction Ratio (dB)	≥20
Rotation Angle(degree)	45±1
Fiber Type	PM Panda Fiber
Optical Power (CW) (mW)	≤300
Operating temperature(℃)	-5~+70
Storage temperature(℃)	-40~+85
Dimension (mm)	Φ5.5×L34

*Above specifications are for device without connector.
*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.
*The PM fiber and the connector key are aligned to the slow axis and fast axis is blocked.

Order information

PMILFR-①①-②-③-④④-⑤⑤-⑥⑥

①①	②	③	④④	⑤⑤	⑥⑥
wavelength	Package	Fiber Type	Fiber Diameter	Fiber Length	Connector
64:1064nm XX: Others	1: Φ5.5×L17 X:Others	1: PM Fiber X:Others	25:250um 90:900um XX: Others	08:0.8m 10:1.0m XX: Others	00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC XX: Others