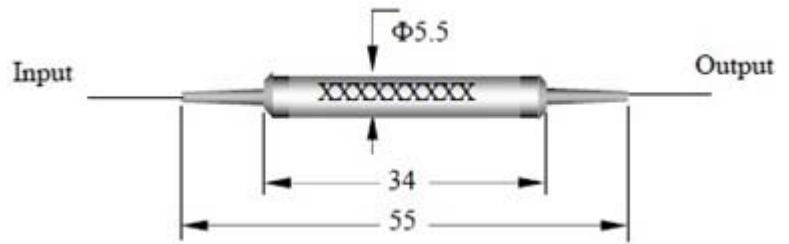




## Polarization Maintaining In-line Faraday Rotator 1310&1480&1550nm

The Polarization Maintaining In-line Faraday Rotator 1310&1490&1550nm 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, high speed communication system and instrumentation applications.



### 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)		1310,1480,1550
Bandwidth (nm)		±40
Typ. Insertion Loss(dB)@23°C		≤0.5
Extinction Ratio (dB)		≥20
Rotation Angle(degree)		45±1
Return Loss (dB)		≥50/50
Fiber Type	Option 1	PMF-PMF
	Option 2	SMF-28e-PMF
	Option 3	SMF-28e - SMF-28e
Optical Power (CW) (mW)		≤500
Operating temperature(°C)		-5~+70
Storage temperature(°C)		-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.

\* For device with connector, key aligned to slow axis.

### Order information

PMILFR-①①-②-③-④④-⑤⑤-⑥⑥



①①	②	③	④④	⑤⑤	⑥⑥
wavelength	Package	Fiber Type	Fiber Diameter	Fiber Length	Connector
13:1310nm 14:1480nm 15:1550nm XX: Others	1:Φ5.5×L3 4 X:Others	1: Option 1 2: Option 2 3: Option 3 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