

In-line Faraday Rotator, ILF 1310nm, 1440nm, 1550nm

Description

The Polarization Maintaining Micro Optics Components 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.

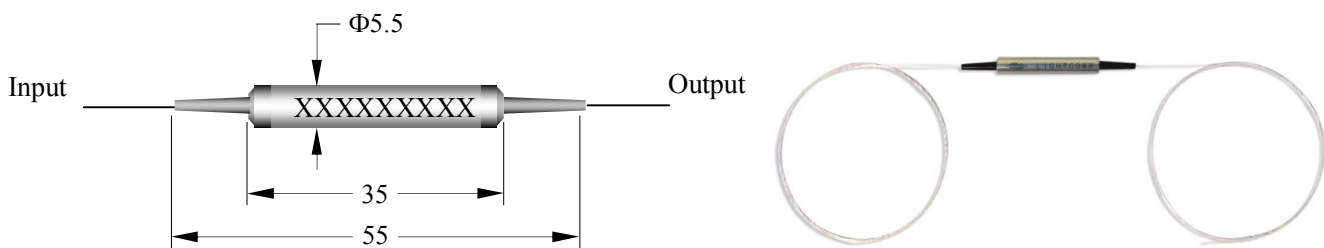
Key Features

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

Applications

- Fiber lasers
- Interferometers sensors
- Fiber amplifiers

Mechanical Dimension



Specifications

Parameter \ Type	Unit	In-line Faraday Rotator
Center wavelength	nm	1310,1440,1550
Operating bandwidth	nm	±15
Insertion loss	dB	≤0.5
Extinction ratio	dB	≥20
Rotation angle	degree	45±1
Return loss	dB	≥50
Fiber type	/	Option1: PM - PM Option2: SMF-28e - PM Option3: SMF-28e - SMF-28e
Operating temperature	°C	-5~+70
Storage temperature	°C	-40~+85
Dimensions	mm	Φ5.5×L35

* IL is 0.3dB (1310~1550nm) or 0.5dB (980~1064nm) higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

Ordering Information

ILF-XXX-XXXX-X-X-XX/XXX-XX*XX

