



## Mini In-line Faraday Rotator

### Features

High Return Loss  
 High Extinction Ratio  
 Low Insertion Loss  
 Excellent Environmental Stability  
 Compact Size

### Applications

Compact Fiber Sensor  
 Compact Fiber Amplifier  
 Fiber Lasers  
 Research

### Specifications

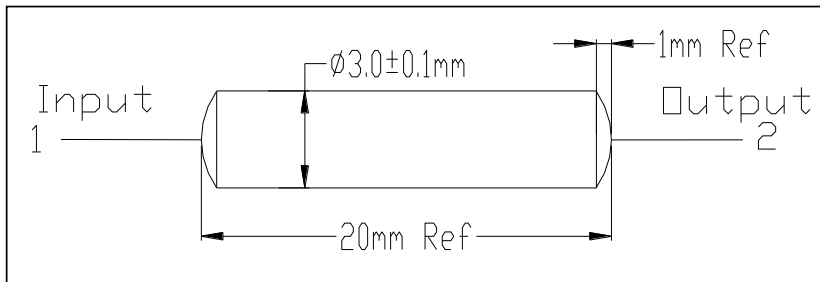
Parameters	Unit	Values
Center Wavelength ( $\lambda_c$ )	nm	1310, or 1550
Operating Wavelength Range	nm	$\pm 20$
Typ. Insertion Loss	dB	0.3
Max. Insertion Loss	dB	0.5
Min. Return Loss	dB	50
Min. Extinction Ratio (Slow Axis of Port 1 is aligned to Slow Axis of Port 2, for PM-PM Type, at 23°C)	dB	20
Min. Extinction Ratio (Slow Axis of Port 2 is aligned to Fast Axis of Port 1, for PM-PM Type, at 23°C)	dB	20
Rotation Angle at 23°C, $\lambda_c$	°C	45 $\pm$ 1
Max. Optical Power (CW)	mW	500
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

\*Above specifications are for devices without connectors.

\*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.

### Package Dimensions



### Ordering information

**MILF-①①-②②-③③-④④-⑤**

①①: Wavelength

31 - 1310nm

55 - 1550nm

SS - Specify

③③: Fiber Jacket on Port 1 & 2

B - 250um Bare Fiber

D - 400um Bare Fiber

L - 900um Loose Tube

S - Specify

④④: Fiber Type on Port 1 & 2

1 - PM Panda Fiber

2 - SMF-28e Fiber

⑤: Fiber Length

0.8 - 0.8m

S - Specify

②②: Connector Type on Port 1 & 2

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify