



# 1064 nm Faraday Mirror (FM Series)

## Description

Rev 11

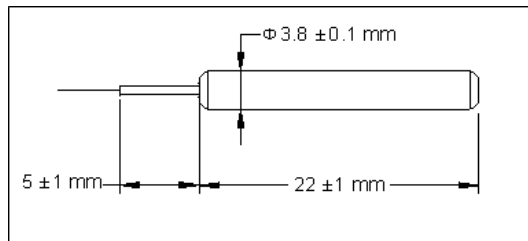
The 1064 nm Faraday Mirror is a passive device that provides 90 degree rotation regarding to the polarization state of the input light. The FM offers excellent performance including the lowest possible insertion loss and enviromental stability. It is used in EDFAs, fiber lasers and fiber instruments to minimize the polarization effect.

## Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1064
Operating Wavelength Range	nm	$\lambda_c \pm 5$
Typ. Insertion Loss	dB	2.8
Max. Insertion Loss	dB	3.0
Faraday Rotation Angle (single pass)	degree	45
Max. Rotation Angle Tolerance, $\lambda_c$ , 23 °C	degree	$\pm 3$
Max. Polarization Dependent Loss	dB	0.1
Max. Polarization Mode Dispersion	ps	0.05
Fiber Type	-	HI 1060 Fiber
Max. Optical Power (Continuous Wave)	mW	150
Max. Tensile Load	N	5
Operating Temperature	°C	- 5 to + 50
Storage Temperature	°C	- 40 to + 85

<sup>1</sup>IL is 0.5 dB higher and RL is 5 dB lower for each connector added.

## Package Dimensions



## Ordering Information

FM-①①-②-③-④

①①: Wavelength

06 - 1064 nm

SS - Specify

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③: Fiber Jacket

B - 250  $\mu$ m Bare Fiber

L - 900  $\mu$ m Loose Tube

S - Specify

④: Fiber Length

1 - 1.0 m

S - Specify