



1064 nm Faraday Mirror (FM Series)

Rev 11

Description

The 1064 nm Faraday Mirror is a passive device that provides 90 degree polarization rotation respect to incident light. The FM offers excellent performance including the lowest possible insertion loss and environmental stability. It is used in amplifiers, fiber lasers and fiber instruments to minimize the polarization effect.

Key Features

- High Isolation
- Low Insertion Loss

Applications

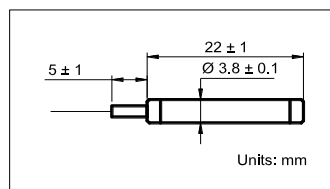
- Fiber Optic Instruments
- Fiber Lasers
- Fiber Sensing

Specifications

Parameter	Unit	Value
Center Wavelength (λ_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, λ_c , 23 °C	degree	± 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

¹IL 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 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

④: Fiber Length

1 - 1.0 m

S - Specify