



1064 nm Polarization Maintaining Faraday Mirror (PMFM Series)

Rev 11

Description

The 1064 nm Polarization Maintaining Faraday Mirror is a passive device that provides 90 degree polarization rotation with respect to incident light. The PMFM 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

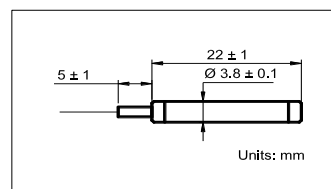
Specifications

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
Min. Extinction Ratio	dB	20
Fiber Type	-	PM 980 Panda 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, RL is 5 dB lower, and ER is 2 dB lower for each connector added.

²Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMFM-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

Q - 0.75 m

S - Specify