# 1064 nm Polarization Maintaining Faraday Mirror (PMFM Series)

Rev 11

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

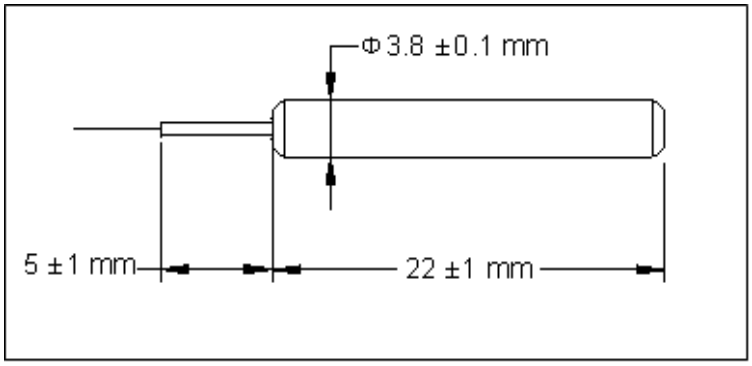
## Specifications

| Parameter | Unit | Value |
|---|---|---|
| Center Wavelength (λc) | nm | 1064 |
| Operating Wavelength Range | nm | λc ± 5 |
| Typ. Insertion Loss | dB | 2.8 |
| Max. Insertion Loss | dB | 3.0 |
| Faraday Rotation Angle (single pass) | degree | 45 |
| Max. Rotation Angle Tolerance, λc, 23 ℃ | 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 | ℃ | -5 to +50 |
| Storage Temperature | ℃ | -40 to +85 |

*IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added.

*Connector 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 μm Panda fiber
L - 900 μm loose tube
S - Specify

④: Fiber Length
Q - 0.75 m
S - Specify