



1064 nm Polarization Maintaining Faraday Mirror (GK-PMFM Series)

● Description

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.

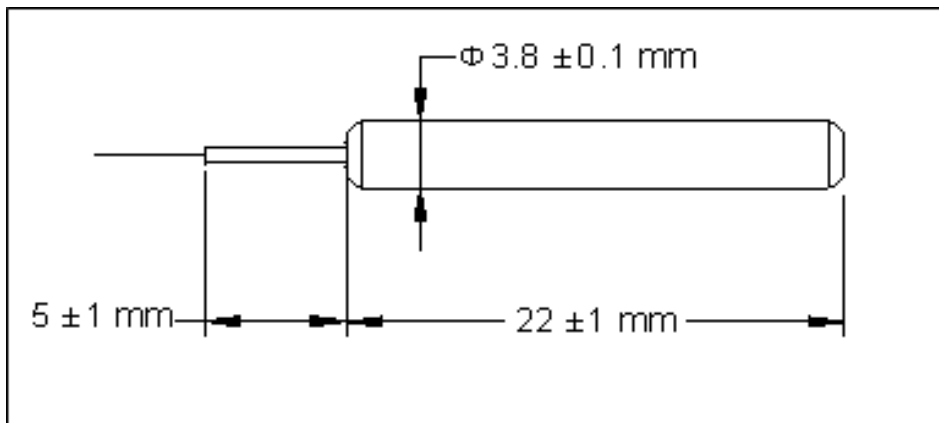
● Specifications

Parameter	Unit	Value
Center Wavelength (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.

¹Connector key is aligned to slow axis

● Package Dimensions



● Ordering Information

GK-PMFM-①-②-③-④

①: Wavelength

06 - 1064 nm

SS - Specify

②: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④: Fiber Length

Q - 0.75 m

S - Specify