Faraday Mirror
(GK-FM Series)

Description

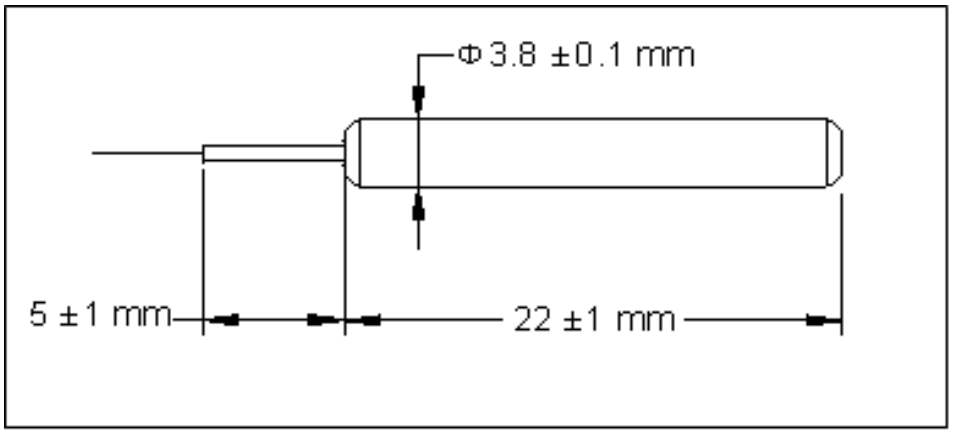
The Faraday Mirror is a passive device that provides 90 degree rotation regarding to the polarization state of the input light. The FM offers excellent performance including the lowest possible insertion loss and enviromental stability. It is used in EDFAs, fiber lasers and fiber instruments to mininize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

Specifications

Parameter	Unit	Value
Center Wavelength	nm	1310, 1480, 1550
Operating Wavelength Range	nm	± 15
Typ. Insertion Loss	dB	0.4
Max. Insertion Loss	dB	0.6
Faraday Rotation Angle (Single Pass)	degree	45
Max. Rotation Angle Tolerance, λc, 23 ℃	degree	± 1
Max. PDL	dB	0.1
Fiber Type	-	SMF-28 Fiber
Max. Optical Power	mW	300
Max. Tensile Load	N	5
Operating Temperature	℃	- 5 to + 70
Storage Temperature	℃	- 40 to + 85

[1]IL is 0.5 dB higher and RL is 5 dB lower for each of connector added.

Package Dimensions



Ordering Information

GK-FM-①-②-③-④

①: Wavelength

31 - 1310 nm

48 - 1480 nm

55 - 1550 nm

SS - Specify

②: Fiber Jacket

B - 250 μm Bare Fiber

L - 900 μm 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

1 - 1.0 m

S - Specify