



Faraday Mirror (FM Series)

Rev 11

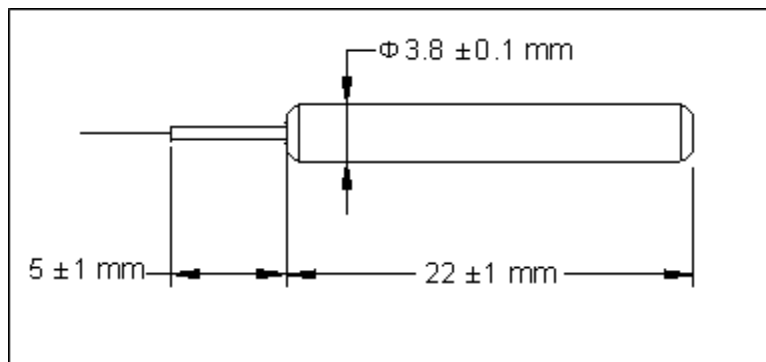
The Faraday Mirror is a passive device that provides 90 degree rotation regarding to the polarization state of the input light. The FM offers excellent performance including the lowest possible insertion loss and enviromental stability. It is used in EDFAs, fiber lasers and fiber instruments to minimize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

Specifications

Parameter	Unit	Value
Center Wavelength	nm	1920, 2000, 2070
Operating Wavelength Range	nm	±15
Typ. Insertion Loss	dB	0.6
Max. Insertion Loss	dB	0.9
Faraday Rotation Angle (Single Pass)	degree	45
Max. Rotation Angle Tolerance, λc, 23 °C	degree	± 2
Max.PDL	dB	0.1
Fiber Type		SMF-28 fiber or SM 1950 fiber
Max.Optical Power	mW	300
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

*IL is 0.5dB higher and RL is 5dB lower for each of connector added.

Package Dimensions



Ordering Information

FM-①①①①-②-③-④-⑤

①①①①: Wavelength	②: Fiber type	③: Connector Type	④: Fiber Jacket	⑤: Fiber Length
1920 - 1920 nm	1 - SMF-28 fiber	1 - FC/UPC	B - 250 μm bare fiber	1 - 1.0 m
2000 - 2000 nm	2 - SM 1950 fiber	2 - FC/APC	L - 900 μm loose tube	S - Specify
2070 - 2070 nm	S - Specify	3 - SC/UPC	S - Specify	
S - Specify		4 - SC/APC		
		N - None		
		S - Specify		