

Polarization Maintaining Faraday Mirror (PMFM Series)

Description

Rev 11

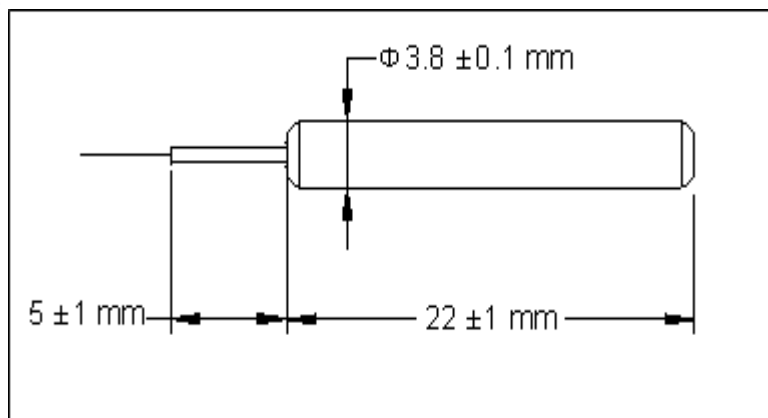
The Polarization Maintaining Faraday Mirror is a passive device that provides 90 degree rotation regarding to the polarization state of the input light. The PMFM offers excellent performance including the lowest possible insertion loss and enviromental stability. It is used in amplifiers, fiber lasers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

Specifications

Parameter	Unit	Value
Center Wavelength	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, λ_c , 23 °C	degree	± 2
Min.Extinction Ratio	dB	20
Fiber Type	-	PM 1550 Fiber, PM 1950 Fiber
Max. Optical Power	mW	300
Max. Tensile Load	N	5
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

¹IL is 0.3 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-①①①①-②-③-④-⑤

①①①①: Wavelength	②: Fiber Type	③: Connector Type	④: Fiber Jacket	⑤: Fiber Length
1920 - 1920 nm	1 - PM 1550	1 - FC/UPC	B - 250 μ m Bare Fiber	Q - 0.75 m
2000 - 2000 nm	2 - PM 1950	2 - FC/APC	L - 900 μ m Loose Tube	S - Specify
2070 - 2070 nm	S - Specify	3 - SC/UPC	S - Specify	
S - Specify		4 - SC/APC		
		N - None		
		S - Specify		