

## 2000 nm Polarization Maintaining Faraday Rotator Mirror

Model #: PMFM

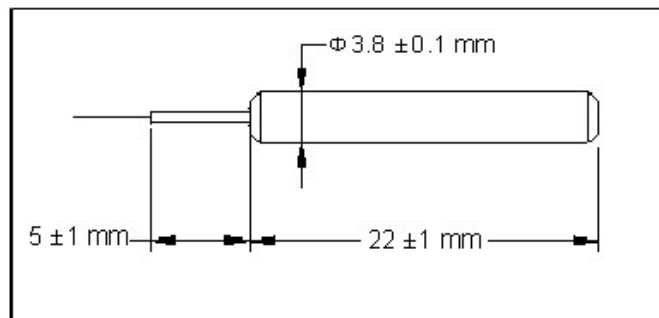
Description: 2000 nm Polarization Maintaining Faraday Rotator Mirror

Application: Fiber laser, fiber amplifier, fiber sensor etc.

### Specifications:

Parameter	Unit	Specifications
Wavelength Range	nm	1920, 2000, 2070
Operating Wavelength Range	nm	$\pm 15$
Maximum Insertion Loss	dB	0.9
Typ. Insertion Loss	dB	0.6
Rotation Angle (single pass) at $\lambda_c$ , 23°C	Deg.	$45 \pm 2$
Mi. Polarization Extinction Ratio	dB	20
Max. Optical Power (CW)	mW	300
Dimension	mm	3.8 (D) x 22 (L)
Fiber Type		PM 1550 or PM 1950 Panda fiber
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.



### Ordering Information:

**Beam Combiner PMFM-AAAA-B-C-D-E-F**

AA: wavelength	B: fiber type	C: connector type	D: fiber jacket	E: fiber length
1920 – 1920 nm	1 – PM 1550 fiber	1 - FC/UPC	B - 250 $\mu$ m Panda fiber	Q-0.75m
2000 – 2000 nm	2 – PM 1950 fiber	2 - FC/APC	L - 900 $\mu$ m loss tube	X-other
2070 – 2070 nm	X - other	3 - SC/UPC		
XX - other		4 - SC/APC		
		N - none		
		X - other		