

Features

- Low insertion loss
- Wide operating wavelength range
- Compact size
- Epoxy free on optical path
- Exceptional stability and reliability



Applications

- Fiber-optics sensing
- Test & measurement

Product Description

Primanex Faraday Rotator Mirror (FRM) is the result of years of extensive experiences in magneto-optics technology. The components demonstrate low insertion loss and robustness against environmental variation, making them ideal candidates in the field applications of fiber-optics sensing systems, and test & measurement instrumentation.

Specifications

Item	Unit	Parameters		Notes
		Standard Fiber	Specialty Fiber	
Fiber Type	NA	SMF-28e+	Fiber with 6.1μm or smaller mode field diameter	Other fiber type is optional
Insertion Loss	dB	0.3 (typ.); 0.5 (max.)	0.7 (typ.); 1.0 (max.)	
Central Wavelength	nm	1310 or 1550		Other wavelength is optional
Bandwidth	nm	+/- 15 nm		
Rotation Angle	degree	45 /or 90		
Rotation Angle Tolerance	degree	+/- 3		Over Wavelength Range at 23 °C
PDL	dB	0.05	0.10	
Optical Power Handling	mW	500		
Tensile Load	N	5		
Operating Temperature	°C	-5 ~ 70		Wider temperature range available upon request
Storage Temperature	°C	-40 ~ 85		
Dimension	mm	φ3.0 × 12.0		Custom size available upon request

*. All the specifications are based on the devices without connectors.

** . Specifications are subject to change without notice.

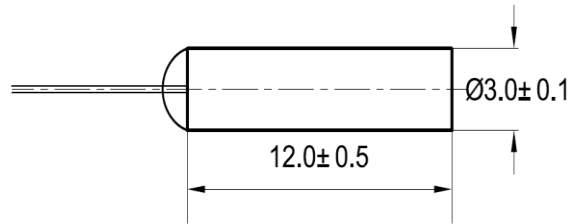
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Dimensions Drawing (Unit: mm)



Ordering Information(Example:PFRM1-111120)

PFRM <input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Central Wavelength	Fiber Type	Fiber Length		Connector Type	
		1. 1310 nm	1. 9/125 μ m	1. 0.5 +/- 0.1 m		0. No Connector	
		2. 1550 nm	2. 6/125 μ m	2. 1.0 +/- 0.1 m		1. FC/UPC	
		3. Others	3. 6/80 μ m	3. Others		2. FC/APC	
			4. Others			3. SC/UPC	
						4. SC/APC	
						5. LC/PC	
						6. MU/PC	
						7. Others	
Rotation Angle		Dimension	Fiber Tuber				
1. 90degree		1. Standard	1. 250 μ m fiber				
2. 45degree		2. ϕ 5 × L17mm	2. 900 μ m fiber				
3. Others		3. Others	3. Others				

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