

1064nm PM Faraday Rotator Mirror

1064nm PM Faraday Rotator Mirror is a fiber component which can change state of polarization (SOP), the polarization light will rotate 45° when the input light passes the faraday rotator, and will rotate another 45° after the mirror turns the light back, the output light will have a polarization state rotated 90°, and orthogonal to the input polarization state. It's widely used in Fiber Laser, Fiber Amplifier System and Fiber Optic Sensor.

Application:

Fiber Optic Amplifier
Fiber Optic Sensor
Fiber Laser
Lab And Research

Features:

High Extinction Ratio
High Power Available
Low Insertion Loss
High Reliability



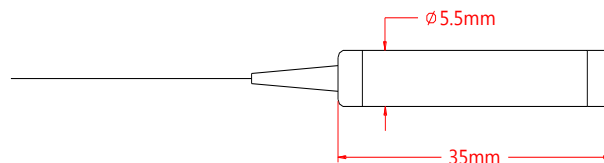
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1064	nm
Bandwidth	BW	± 5	nm
Typ. Insertion Loss	IL	2.6	dB
Max. Insertion Loss	IL	3.0	dB
Faraday Rotate Angle (Single Pass)		45 \pm 3	Degree
Min. Extinction Ratio	ER	20	dB
Max. Optical Power (CW)	P	150	mW
Max. Tensile Load		5	N
Fiber Type		PM Panda fiber	-
Operating Temperature	T	-5~50	°C
Storage Temperature	T	-40~85	°C
Package Dimension		$\Phi 5.5 \times L35$	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, ER will be 2dB lower, slow axis is default aligned to the connector key.

Drawing:



Ordering Information (Part Number):

PMFRM- WWW - J - LL - CC			
WWW	J	LL	CC
Wavelength	Fiber Jacket	Fiber Length	Connector
1064 - 1064nm	B - 250um Bare Fiber 9 - 900um Loose Tube 2 - 2.0mm Loose Tube 3 - 3.0mm Loose Tube	05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify