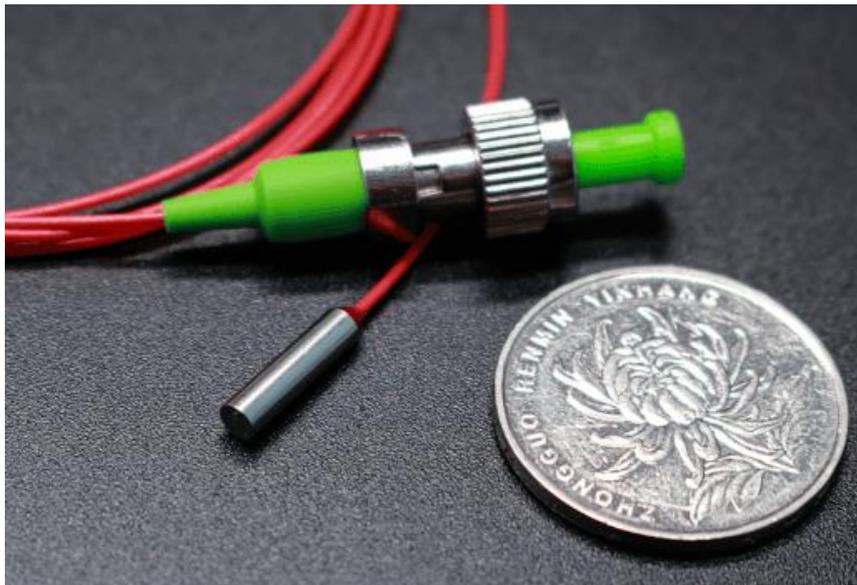


## 1550nm Polarization Maintaining Fiber Faraday Rotator Mirror 90 Degree



### ● Product Description

The fiber Faraday rotator is used to change the polarization state of the input light, so that the direction of the polarized light after passing through the Faraday rotator and the reflector rotates 90 degrees. It is perpendicular to the input polarized light and has the opposite polarization direction. The fiber Faraday rotator adopts a micro-optical structure inside, which is suitable for various optical fibers, and the input and output optical fibers can have different choices.



## ● Product features

1550nm working wavelength, other optional、 Beam expansion technology、

Low echo reflection、 Suitable for various optical fibers

## ● Part Number

MP-FRM-1550-90-PA

## ● Application area

Interference sensor、 Fiber amplifier、 Optical circulator、 Tunable fiber laser, etc.

## ● Core parameters

Wavelength	Faraday Rotation Angle	Connector
1550nm	90°	FC/APC

## ● General Parameters

Parameter

Parameter	Unit	Indicator
Operating wavelength	nm	1550
Operating bandwidth	nm	±15
Typical insertion loss	dB	0.5



Maximum insertion loss	dB	0.7
Faraday rotation angle (round trip)	degree	90
Max. rotation angle deviation (central wavelength+23°C)	degree	±2
Max. polarization-dependent loss	dB	0.05
Max. polarization mode dispersion (PMD)	ps	0.05
Max. handling power	mW	300
Maximum tension	N	5
Operating temperature	°C	-5~+70
Storage temperature	°C	-40~+85
Fiber type		PM1550
Fiber length	m	1
Connector		FC/APC
Alignment method		Slow axis alignment
Loose tube length	um	900