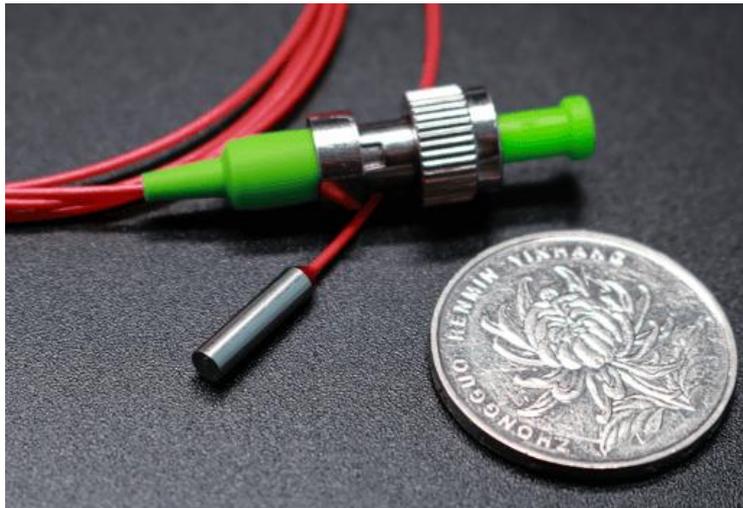


1310nm Faraday Rotator Mirror 90 degrees



- **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 the polarization direction is opposite. 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 be selected in different ways. 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 the polarization direction is opposite. 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 be selected in different ways.

● Product features

1310nm working wavelength, other optional、 Beam expansion technology、
Low echo reflection、 Suitable for various optical fibers

● Part Number

MP-FRM-1310-90-PA

● Application area

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

● Core parameters

Center Wavelength	Rotation Angle	Connector
1310nm	90 degrees	FC/APC

● General Parameters

Parameters

Parameter	Unit	Specs
Center Wavelength	nm	1310
Operating Bandwidth	nm	±15
Insertion Loss	dB	0.5
Max. Insertion loss	dB	0.7
Faraday rotation angle (around)	degree	90
Max. rotation angle deviation (central wavelength +23°)	degree	±2
Max. Polarization Dependent Loss	dB	0.05
Max. Polarization Mode Dispersion (PMD)	ps	0.05
Max. Input power	mW	300
Max. Tensile	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 diameter	um	900