

## Fiber Faraday Mirror

For High Power Fiber Lasers, Sensing, and Coherent Detection

WSP's PM Fiber Faraday Mirrors are designed to preserve the input PM light with high fidelity and with lowest possible insertion losses.

In a fiber Faraday mirror, the linearly polarized light travels in along a specific fiber polarization axis and reflected back along a 90° rotated, orthogonal direction. It can be used to compensate polarization mode dispersion (PMD) and to cancel other polarization related effects

WSP's fiber Faraday mirrors are distinguished with their high isolations, wide fiber selection, and high polarization extinction ratios.



### Features:

- Low insertion loss
- High isolation
- High extinction ratio
- Integration with other functions are available
- Customer wavelength & configurations available

### Technical Data

Parameter	Unit	Specification		
Operating Wavelength	nm	1310, 1450, 1480, 1550, 1580	1064	1030
Pass Band	nm	+/- 15	+/-5	+/-5
Insertion Loss	dB	< 0.6 (typical 0.4)	< 2.8 (typical 2.6)	< 6 (typical 5.2)
Extinction Ratio	dB	>20		
Fiber Type		PM15, PM13, PM-LMA, single- & dual-clad, or customer specify	PM98, PM-LMA, single- & dual-clad, or customer specify	
Power Handling	mW	500	150	40
Dimension	mm	Ø5.5 x 35		
Operating Temperature		-5 ~ 70		
Storage Temperature		-40 ~ 85		

### Applications:

- Fiber lasers and amplifiers
- Ultrafast systems
- Fiber sensors
- EDFAs