

# Faraday Rotator Mirrors

## Product Description

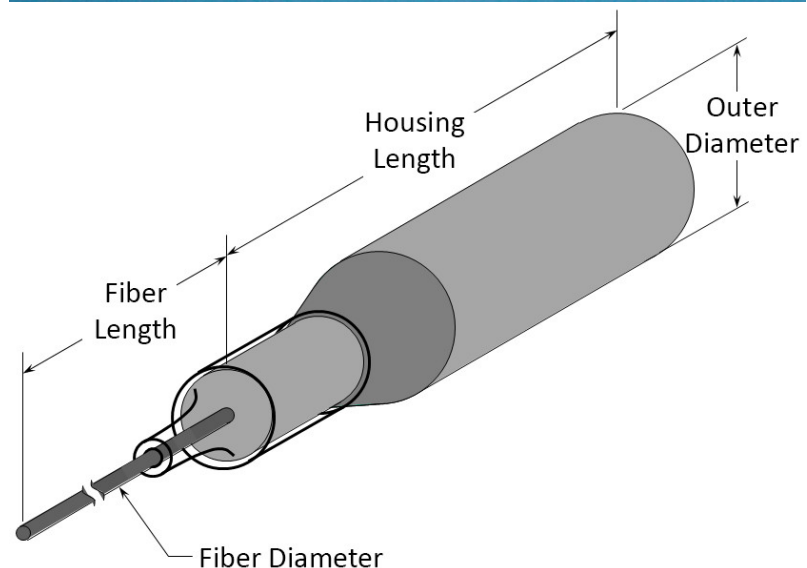
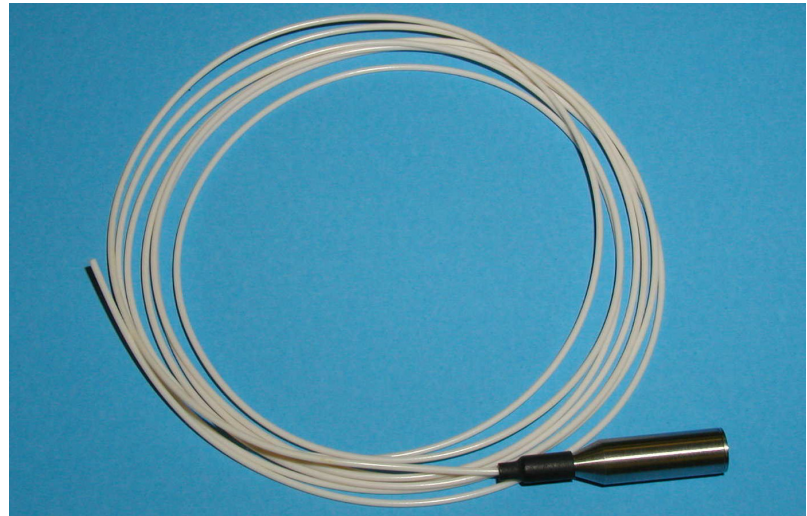
Our Faraday Rotator Mirrors offer engineers an inexpensive means of compensating for thermal or mechanical disturbances that affect the polarization of single-mode fiber, and ultimately the performance of many systems. These passive components eliminate polarization-induced fringe fading in interferometers and sensors, and can also optimize gain for EDFAs.

## Applications

- Michelson Interferometer Sensor Systems
- Fiberoptic Sensing Applications
- Optical Amplifiers as EDFAs
- Field & Laboratory Applications
- Instrumentation
- Acoustic & Magnetic Sensing

## Features

- Superior Performance and Reliability
- Low Insertion Loss
- High Reflectivity
- Many Fiber Choices Available



Specifications	Wavelengths
Wavelengths *	1310nm   1550nm
Insertion Loss (typical)	< 0.5dB
Rotation	90° + 2°
Back Reflection	> 55dB
Diameter (standard)	5.6mm *
Length (standard)	25.7mm *
Operating Temperature Range	0°C ~ + 70°C
Storage Temperature Range	-20°C ~ + 70°C
Maximum Power	300 mW

\* Other diameters and lengths available upon request.