

1060nm Faraday Mirror



ACP's FRDMR Series is a fiber optic polarization rotation mirror designed for fiber optic networks and measurement applications. The device can help to eliminate polarization sensitivity of an optical fiber system. Applications include eliminating antenna remoting systems. FRDMR Series Faraday Mirror is optical path epoxy free and thus offers low insertion loss and high temperature stability.

All AC Photonics' products are Telcordia qualification tested.

Key Features

- High Isolation
- Low Insertion Loss
- High Return loss
- Low Polarization Sensitivity
- Epoxy Free Optical Path

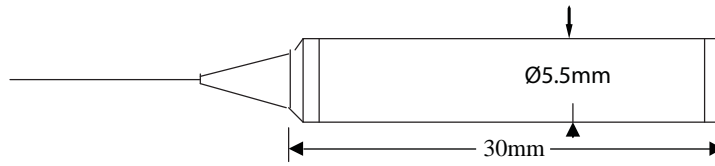
Applications

- Fiber Optical Amplifier
- CATV Fiberoptic Links
- Fiberoptic Systems Testing
- Fiberoptic LAN Systems
- Telecommunications

Performance Specifications

Parameter	Specifications
Center Wavelength	1060nm
Typical Insertion Loss	2.5dB
Maximum Insertion Loss	2.8dB
Maximum Polarization Dependent Loss	0.15dB
Faraday Rotation Angle (Single Pass)	45°
Rotation Angle Tolerance over Wavelength and Temperature	±0.5°
Optical Power	150mW
Maximum Tensile Load	5N
Operating Temperature	0 to +70°C
Storage Temperature	-40 to +85°C
Package Dimensions	Ø5.5mmxL30mm

Mechanical Dimensions



Ordering Information

FRDMR	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Wavelength	Pigtail Style	Fiber Length	In/Out Connector
	06 = 1060nm	1 = Bare Fiber 2 = 900um Jacket	1 = 1.0m S = Specify	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC