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 polarization induced fluctuations in fiber interferometers, Brillouin amplifier systems, fiber laser systems, and fiber optic antenna remoting systems. FRDMR Series Faraday Mirror is optical path epoxy free and thus offers low insertion loss and high temperature stability.

PERFORMANCE SPECIFICATIONS

Parameter	Specifications
Operating Wavelength	1060m
Bandwidth	± 10nm
Insertion Loss*	≤ 3.5dB
Polarization Dependent Loss	≤ 0.15dB
Faraday Rotation angle**	45°
Rotation Angle Tolerance***	± 0.50°
Optical Power	≤ 150mW
Tensile Load	≤ 5N
Operating Temperature	- 5 to +75°C
Storage Temperature	- 40 to +85°C
Fiber Type	SM Fiber
Package Dimensions	A= Standard, Ø 5.5 x L30

Note:

* For devices with connectors, IL will be 0.3dB higher
** At center wavelength (Single pass)
*** Over wavelength and temperature

FEATURES

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

APPLICATION

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

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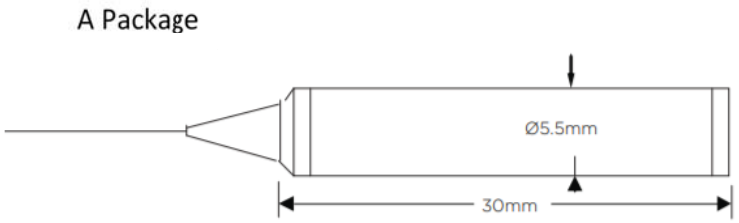
MECHANICAL DIMENSIONS



PORT CONFIGURATION

ORDERING INFORMATION

FRDMR						
	Operating Wavelength	Package	Fiber Type	Pigtail Style	Fiber Length	Connector
	06=1060nm	A=A Package	6=Hi1060 7=Hi1060 Flex	1=Bare fiber 2=900um loose tube	05=0.5m 10=1.0m · · · 20=2.0m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC