PM 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	1310, 1480 and 1550nm
Bandwidth	± 15nm
Insertion Loss	0.40 dB Typ. ≤0.60dB Max.
Faraday Rotation angle*	45°
Rotation Angle Tolerance**	± 0.50°
Optical Power	≤ 300mW
Tensile Load	≤5N
Operating Temperature	- 5 to +75°C
Storage Temperature	- 40 to +85°C
Fiber Type	PANDA PM Fiber
Package Dimensions	A= Standard, Ø 5.5 x L35 M= Mini Ø 4.5 x L20 N= Mini Ø 3.0 x L20

Note:

* At center wavelength (Single pass)

** At center wavelength

FEATURES

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

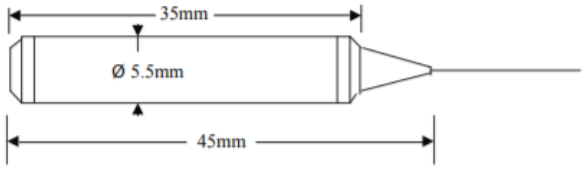
APPLICATION

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

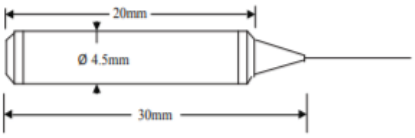
PM
Faraday Mirror

MECHANICAL DIMENSIONS

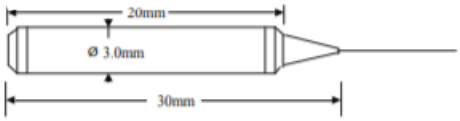
A Package



M Package



N Package



PORT CONFIGURATION

PM
Faraday Mirror

ORDERING INFORMATION

PMFRDMR								
	Operating Wavelength	Package	Fiber Type	Pigtail Style	Fiber Length	Connector	Axis Orientation
	31=1310nm 48=1480nm 55=1550nm	A=A Package M=M Package N=N Package	M=PM1310 N=PM1550	1=Bare fiber 2=900um loose tube	07=0.75m 10=1.0m · · ·	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC	S=Slow axis B=Both axis F=Fast axis