

# Faraday Rotation Mirror

## Product Features

- High Extinction Ratio
- Low Insertion Loss
- High Return Loss

## Product Applications

- Communication Systems
- Test Instrumentations
- Fiber Sensors
- Research



## Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1310, 1550 or 1310&1550 etc.
Working wavelength range	nm	$\pm 30$
Faraday rotation angle (single pass)	degree	$45 \pm 1, 90 \pm 2$
Insertion Loss (Reflection rate)	dB	$\leq 0.5$
Polarization Dependent Loss (PDL)	dB	$\leq 0.1$
Polarization Mode Dispersion (PMD)	ps	$\leq 0.1$
Directivity	dB	$\geq 50$
Return Loss	dB	$\geq 50$
Power handling(CW)	mW	$\leq 500$
Tensile Load	N	$\leq 5$
Fiber type	-	SMF-28e
Package size	mm	$\phi 5.5 \times L35$
Operating Temperature	$^{\circ}\text{C}$	-5 to +70
Storage Temperature	$^{\circ}\text{C}$	-40 to +85

\* Above specifications are for devices without connectors

## Ordering Information

FRM	Wavelength	Pigtail Type	Fiber Length	Connector
	1310nm 1550nm	250um bare fiber 900um loose tube Specify	0.5m 1m 1.5m 2m Specify	N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify