

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 (λ_c)	nm	1310, 1550 or 1310&1550 etc.
Working wavelength range	nm	± 30
Faraday rotation angle (single pass)	degree	$45 \pm 1, 90 \pm 2$
Insertion Loss (Reflection rate)	dB	≤ 0.5
Polarization Dependent Loss (PDL)	dB	≤ 0.1
Polarization Mode Dispersion (PMD)	ps	≤ 0.1
Directivity	dB	≥ 50
Return Loss	dB	≥ 50
Power handling (CW)	mW	≤ 500
Tensile Load	N	≤ 5
Fiber type	-	SMF-28e
Package size	mm	$\phi 5.5 \times L35$ or $\phi 2.5 \times L12$ mm
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