

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	± 40
Faraday rotation angle	degree	$90 \pm 1, 180 \pm 2$
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 or equivalent
Package size	mm	$\Phi 4.5 \times L25$
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 Specify	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