



## Faraday Mirror (FM Series)

The Faraday Mirror is a passive device that provides 90 degree rotation without regarding to the polarization state of the input light. The FM offers excellent performance including the lowest possible insertion loss and environmental stability. It is used in EDFA, DWDM systems, CATV systems, fiber laser and fiber instruments to minimize the polarization effect.

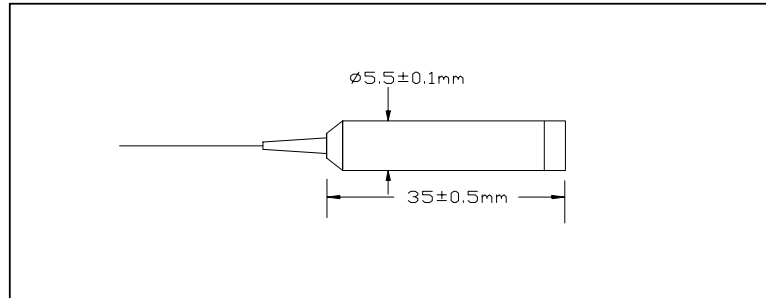
### Specifications

Parameters	Unit	Values
Center Wavelength	nm	1310, 1480 or 1550
Operating Wavelength Range	nm	±15
Typ. Insertion Loss	dB	0.4
Max. Insertion Loss	dB	0.6
Faraday Rotation Angle (Single Pass)	degree	45
Max. Rotation Angle Tolerance Over Wavelength Range at 23°	degree	±3
Max. PDL	dB	0.05
Max. PMD	ps	0.05
Max. Optical Power	mW	300
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

\*Above specifications are for device without connector.

\*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

### Package Dimensions



### Ordering Information

**FM-** ①①-②-③-④

①①: Wavelength

31 - 1310nm

48 - 1480nm

55 - 1550nm

SS - Specify

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

5 - LC/UPC

6 - ST/UPC

N - None

S - Specify

③: Fiber Type

B - 250um bare fiber

L - 900um loose tube

T - 900 um tight buffer

C - 3mm cable

S - Specify

④: Fibre Length

1 - 1.0 m

S - Specify