Advanced Fiber Resources (Hong Kong), Ltd.

Faraday Mirror
(FM Series)

Rev 11

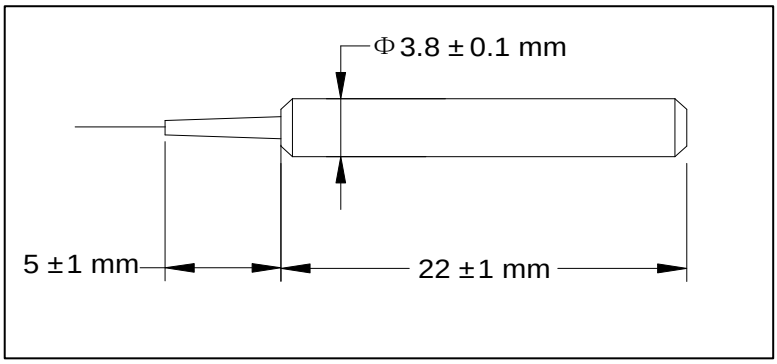
The Faraday Mirror is a passive device that provides 90 degree rotation regarding to the polarization state of the input light. The FM offers excellent performance including the lowest possible insertion loss and enviromental stability. It is used in EDFAs, fiber lasers and fiber instruments to mininize the polarization effec

Specifications

Parameter	Unit	**Value**
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, λc, 23 ℃	degree	± 1
Max.PDL	dB	0.1
Fiber Type		SMF-28 fiber
Max.Optical Power	mW	300
Max. Tensile Load	N	5
Operating Temperature	℃	-5 to +70
Storage Temperature	℃	-40 to +85

*IL is 0.5dB higher and RL is 5dB lower for each of connector added.

Package Dimensions



Ordering Information

FM-①①-②-③-④

①①: Wavelength
31 - 1310 nm
48 - 1480 nm
55 - 1550 nm
SS - Specify

②: Connector Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

③: Fiber Jacket
B - 250 μm bare fiber
L - 900 μm loose tube
S - Specify

④: Fiber Length
1 - 1.0 m
S - Specify