Mini Faraday Mirror

(MFM Series)

The Mini Fiber Faraday Mirror MFM is characterized with very compact package and provides 90 degree rotation without regarding to the polarization state of the input light. The MFM offers excellent performance including the lowest possible insertion loss and enviromental stability. It is used in EDFA, DWDM systems, CATV systems, fiber laser and fiber instruments to minimize the polarization effect.

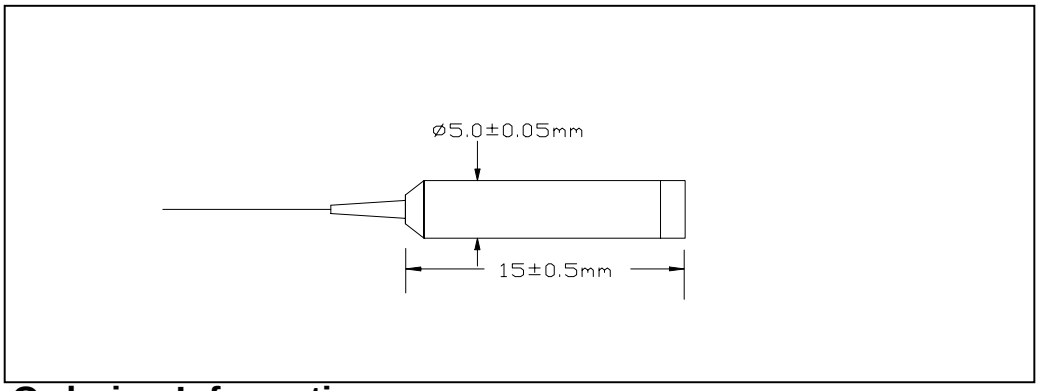
Specifications

Parameters	Unit	Values
Center Wavelength	nm	1310, 1480 or 1550
Min. Spectral Width	nm	30
Typical insertion loss	dB	0.4
Maximum insertion loss	dB	0.6
Faraday rotation angle (single pass)	degree	45
Maximum Rotation angle tolerance Over wavelength at 23°	degree	±3
PDL	dB	0.05
PMD	ps	0.05
Max.Optical Power	mW	300
Max. Tensile Load	N	5
Operation Temperature	℃	0 to +60
Storage Temperature	℃	-40 to +85

*Above specification are for device without connector.

*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower.

Package Dimensions



Ordering Information

MFM- ①①-②-③-④

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

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

③ : Fiber Type
B - 250 um Bare Fiber
L - 900 um Loose Tube
T - 900 um Tight Buffer

④ : Fibre Length
1 - 1.0 m
S - Specify