

Faraday Mirror

Features

Low insertion loss
Excellent environmental stability
Small size

Application

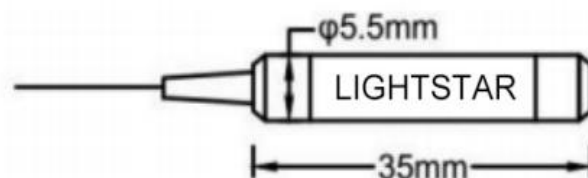
Optical fiber sensing
Intensive wavelength division multiplexer
EDFA

Specifications

Parameter	Value	
Operating wavelength(nm)	1550 or 1310	1064
Bandwidth(nm)	±15	±5
Insertion loss(dB)	≤0.6(for 45deg.)≤0.7(for 90deg.)	≤3.5(for 45deg.)≤5.5(for 90deg.)
Faraday rotation angle(single pass) (Deg)	45,90	45,90
Wavelength range maximum rotation angle tolerance(Deg)	±1	±3(for 45deg.) ±4(for 90deg.)
Polarization dependent loss(dB)	≤0.05	≤0.10
Polarization mode dispersion(ps)	≤0.05	
Power(mW)	≤500	≤150
Fiber type	SMF-28e	HI1060
Operating temperature(°C)	-5 ~ +70	-5 ~ +50
Storage temperature(°C)	-40~ +85	
Package dimensions(mm)	Φ4.5×L25(P1) ; Φ5.5×L35(P2) ; Φ3.2×L12(P3)	

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions



Ordering information

FM-①①①①-②-③-④-⑤-⑥

①①①①:Wavelength
1310=1310nm
1550=1550nm
SSSS=Specify

④:Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify

②:Rotation angle
1=45Deg
2=90Deg

⑤:Length
H=0.5m
1= 1.0m
S=Specify

③:Package dimensions
0=5.5*35mm
E=4.5*25mm
F=3.2*12mm

⑥:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify