

## Polarization-maintaining Faraday mirror

### Features

Low insertion loss  
 Environmental stability  
 High PER

### Application

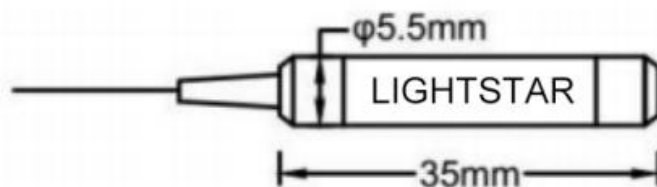
Optical fiber sensing  
 Fiber optic instrument  
 Coherent detection

### Specifications

Parameter	Value	
Operating wavelength(nm)	1580, 1550,1480,1450,1310	1064
Bandwidth(nm)	±15	±5
Insertion loss(dB)	≤0.6 (Typ.0.4)	≤3.0 (Typ 2.6)
Faraday rotation Angle(Single Pass) (Degree)	45 or 90	
Rotation angle tolerance23°C(Degree)	≤±1	≤±3
Extinction ratio(dB)	≥20	
Power(mW)	≤500	≤150
Fiber type	PM 1310 or 1550 Panda fiber	PM980 Panda fiber
Operating temperature(°C)	-5 ~ +70	-5 ~ +50
Storage temperature(°C)	-40 ~ +85	
Package dimensions(φ×L) (mm)	Φ5.5x35 ; Φ4.5x25	

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

②:Rotation angle  
 1=45Deg  
 2=90Deg

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

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

⑤:Length  
 H=0.5m  
 1= 1.0m  
 S=Specify

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