



## 1310/1480/1550 nm 5 W Faraday Mirror (FM Series)

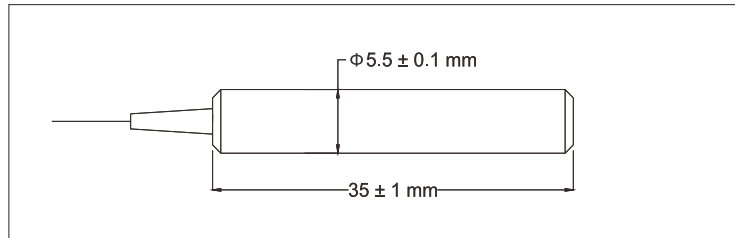
The Faraday Mirror is a passive device that provides 90 degree rotation regarding to the polarization state of the input light. The FM offers excellent performance including the lowest possible insertion loss and enviromental stability. It is used in EDFAs, fiber lasers and fiber instruments to minimize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

### Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1310, 1480 or 1550
Operating Wavelength Range	nm	$\lambda_c \pm 15$
Typ. Insertion Loss	dB	0.5
Max. Insertion Loss	dB	0.7
Faraday Rotation Angle (single pass)	degree	45
Max. Rotation Angle Tolerance, $\lambda_c$ , 23 °C	degree	$\pm 1$
Max. Polarization Dependent Loss	dB	0.05
Fiber Type		SMF-28
Max. Optical Power (Continuous Wave)	W	5
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

\*IL is 0.5 dB higher and RL is 5 dB lower for each connector added. \*The optical power is 1 W only for connector add.

### Package Dimensions



### Ordering Information

HFM -①①-②-③-④

①①: Wavelength	②: Connector Type	③: Fiber Type	④: Fiber Length
31 - 1310 nm	1 - FC/UPC    4 - SC/APC	B - 250 $\mu$ m bare fiber	1 - 1.0 m
48 - 1480 nm	2 - FC/APC    N - None	L - 900 $\mu$ m loose tube	S - Specify
55 - 1550 nm	3 - SC/UPC    S - Specify	S - Specify	
SS - Specify			