



# 1030nm High Power Faraday Mirror

## FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- Low Polarization Sensitivity
- Low Profile Packaging

## APPLICATIONS

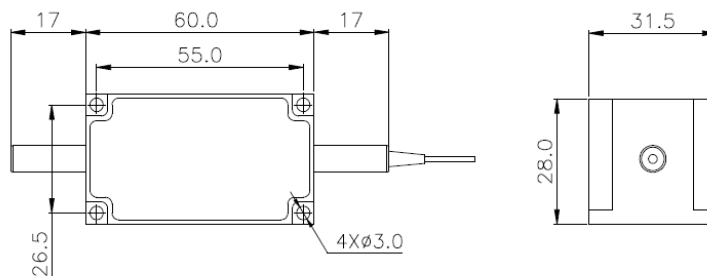
- Fiber Optic Amplifiers
- Sensing Systems
- Telecommunication Networks
- CATV Networks
- LAN Systems

## SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	1030	
Bandwidth	nm	+/-5	
Insertion Loss (Max.)	dB	1.8	
Faraday Rotation Angle (Single Pass)	Deg	45	
Rotation Angle Tolerance (1030nm, 23°C)	Deg	+/-6	
PDL (for SM Fiber Type)	dB	≤0.20	
Extinction Ratio (for PM Fiber Type)	dB	≥18	
Fiber Type	SM Fiber Type	-	HI1060 Fiber or 10/125um Fiber
	PM Fiber Type	-	PM980 Panda Fiber or 10/125um PM Fiber
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	0.3, 0.5, 1, 3, 5, 10	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  4. Devices for higher optical power or with other type fiber or consigned fiber (For example: 6/125um, 20/125um or 25/250um, etc.) are also available; Devices can only work in the core of Double Cladding (DC) Fiber.

## DIMENSION DRAWING



## ORDERING INFORMATION

<b>FFDM-</b>	<b>NNNN</b>	<b>-HP</b>	<b>NN</b>	<b>- C(C)</b>	<b>C</b>	<b>NN</b>	<b>- CC/CC</b>
Center Wavelength	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type		
1030=1030nm	03=300mW 1= 1W 10=10W	P= PM980 Panda Fiber H=HI1060 Fiber EP=10/125 PM Fiber OP= 10/125PMDC Fiber EH= 10/125 Fiber OH=10/125DC Fiber	B= Bare Fiber L= Loose Tube	10=1.0m 15=1.5m 20=2.0m	N =Without Connector FC/APC=FC/APC Connector LC/PC =LC/PC Connector		