

975~1000nm High Power Faraday Mirror

FEATURES

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

APPLICATIONS

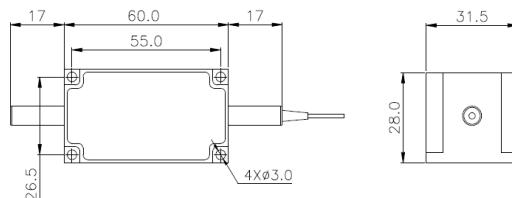
- Fiber Optic Amplifiers
- Sensing Systems
- Telecommunication Networks
- CATV Networks
- LAN Systems

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength (CW)	nm	975, 980, 990, 1000	
Bandwidth	nm	+/-10	
Insertion Loss	Typ.	dB	
	Max.	dB	
Faraday Rotation Angle (Single Pass)	Deg	22.5, 45, 90	
Rotation Angle Tolerance (CW, 23°C)	Deg	+/-5	
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 SC Fiber (E)
		-	10/125um DC Fiber (O), 15/130um DC Fiber (W)
		-	20/130um DC Fiber (Q) or 25/250um DC Fiber (R)
	PM Fiber Type	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)
		-	10/125um PMDC Fiber (O) or 15/130um PMDC Fiber (W)
		-	20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-20~75	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

DIMENSION DRAWING



ORDERING INFORMATION (PN)

FFDM-NNNN	(NN)	-HP NN	-C	(C)	C	NN	-CC/CCC
Center Wavelength	Rotation Angle	Optical Power	Fiber Type	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
975-975nm	90-90degree	03-300mW	P= PM Fiber	E=10/125 SC or PM1060L Fiber	B= Bare Fiber	05-0.5m	N=Without Connector
980-980nm	225-22.5degree	1-1W	S=SM Fiber	Q=20/130 DC or PMDC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
990-990nm	Blank for 45degree	5-5W		R=25/250 DC or PMDC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
1000-1000nm		10-10W		Blank for HI1060 or PM980 Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector