

975-1000nm High Power Faraday Mirror for Pulse Power

FEATURES

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

APPLICATIONS

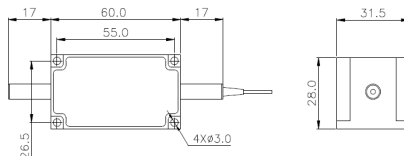
- Fiber Optic Amplifiers
- Sensing Systems
- Telecommunication Networks
- CATV Networks
- LAN Systems

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength (CW)	nm	975, 980, 990, 1000	
Bandwidth	nm	+/-10	
Insertion Loss	Typ.	dB	0.8
	Max.	dB	1.5
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	
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50	
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-20~75	

- 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 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)	-H NN	P	NN	-	C	(C)	C	NN	-	CC/CCC
Center Wavelength	Rotation Angle	Average Power	Peak Power	Fiber Type	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type			
975-975nm	90- 90degree	03-300mW	01-100W	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	1- 1kW	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	5-5kW		R=25/250 DC or PMDC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector			
1000-1000nm		10-10W	20-20kW		Blank for HI1060 or PM980 Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/APC Connector			