

910-960nm High Power Faraday Mirror for Pulse Power

FEATURES

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

APPLICATIONS

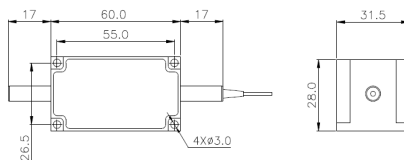
- Fiber Optic Amplifiers
- Sensing Systems
- Telecommunication Networks
- CATV Networks
- LAN Systems

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength (CW)	nm	915, 930, 940, 950	
Bandwidth	nm	+/-10	
Insertion Loss	Typ.	dB	0.9
	Max.	dB	1.8
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	-	HI780 Fiber, 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	-	PM850 Fiber, PM980 Fiber or PM1060L Fiber (E)
		-	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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB 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-NNN	(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			
915=915nm	90= 90degree	03=300mW	01=100W	P= PM Fiber	H=HI1060 or PM980 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector			
930=930nm	225=22.5degree	1= 1W	1= 1kW	S=SM Fiber	E=10/125 SC or PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector			
940=940nm	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			
950=950nm		10=10W	20=20kW		Blank for HI780 or PM850 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/APC Connector			