

1064nm 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	nm	1064	
Bandwidth	nm	+/-5	
Insertion Loss (Max.)	dB	3.4	6.2
Faraday Rotation Angle (Single Pass)	Deg	45	90
Rotation Angle Tolerance (1064nm, 23°C)	Deg	+/-3	+/-5
PDL (for SM Fiber Type)	dB	≤0.15	
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), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
Fiber Tensile Load	N	5	
Maximum Average Power	mW	150	
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35
	Metal Box	mm	(L)120x(W)12x(H)10

- 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.

ORDERING INFORMATION (PN)

FFDM-NNNN-	(NN)	-H NN	P NN	- C	(C)	(C)	C	NN	- CC/CCC
<i>Center Wavelength</i>	<i>Rotation Angle</i>	<i>Average Power</i>	<i>Peak Power</i>	<i>Fiber Type</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
1064=1064nm	90=90degree <i>Blank for 45degree</i>	015=150mW	01=100W 1=1kW 5=5kW 10=10kW	P=PM Fiber S=SM Fiber	M=Metal Box <i>Blank for SST</i>	E=10/125 SC or PM1060L Fiber Q=20/130 DC or PMDC Fiber R=25/250 DC or PMDC Fiber <i>Blank for HI1060 or PM980 Fiber</i>	B= Bare Fiber L= Loose Tube 2= 2mm Cable 3= 3mm Cable	05=0.5m 10=1.0m 15=1.5m 20=2.0m	N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector