

1064nm 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	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	≥20	
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 Optical Power (CW)	mW	150	
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:**
- 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.
 - 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)	-	C	(C)	(C)	C	NN	-CC/CCC
<i>Center Wavelength</i>		<i>Rotation Angle</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</i> for 45degree		P= PM Fiber S=SM Fiber	M=Metal Box <i>Blank</i> for SST	E=10/125 SC or PM1060L Fiber Q=20/130 DC or PMDC Fiber R=25/250 DC or PMDC Fiber <i>Blank</i> for HI1060 or PM980 Fiber	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