1020-1120nm 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		nm	1020, 1030, 1040, 1053, 1064, 1080, 1092, 1120
Bandwidth		nm	+/-5
Insertion Loss (Max.)		dB	1.8
Faraday Rotation Angle (Single Pass)		Deg	22.5, 45, 90
Rotation Angle Tolerance (1030nm. 23°C)		Deg	+/-6
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
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85

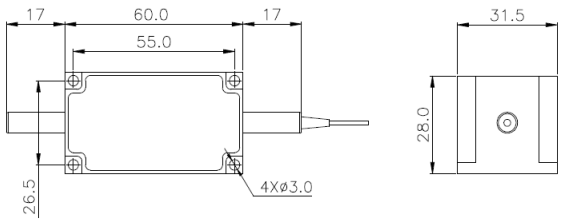
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

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) -HP NN - C (C) C NN - CC/CCC

Center Wavelength	Rotation Angle	Optical Power	Fiber Type	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1030=1030nm	90= 90degree	03=300mW	P= PM Fiber	E=10/125 SC or PM1060L Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1064=1064nm	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
1092=1092nm	Blank for 45degree	5=5W		R=25/250 DC or PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1120=1120nm		10=10W		Blank for HI1060 or PM980 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector