

## 2000nm Partial Reflective 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 (CW)	nm	1900, 1950, 2000, 2050	
Bandwidth	nm	+/-15	
Excess Loss	dB	≤1.0	
Nominal Reflective Ratio	%	1±0.5, 2±0.4, 5±1, 10±2, 50±8, 80, 90	
Faraday Rotation Angle (Transmission)	Deg	22.5, 45, 90	
Rotation Angle Tolerance (CW. 23°C)	Deg	≤+/-3	
Faraday Position	Forward Type	-	Faraday is before the Mirror
	Backward Type	-	Faraday is after the Mirror
PDL (for SM Fiber Type)	dB	≤0.15	
Extinction Ratio (for PM Fiber Type)	dB	≥20	
Fiber Type	SM Fiber Type	-	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) or 25/250um DC Fiber (R)
	PM Fiber Type	-	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
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 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  3. 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)

FFPM-NNNN-NN (NN) - (C) C C - (C) (C) C NN - CC/CCC	Center Wavelength	Ref. Ratio	Rotation Angle	Faraday Position	Input Fiber	Output Fiber	Fiber Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1900-1900nm 01-1% 90- 90degree B-Backward S-SM Fiber S-SM Fiber M-Metal Box V-SM1950 or PM1950 Fiber B- Bare fiber 05=0.5m N=Without Connector	1900-1900nm	01-1%	90- 90degree	B-Backward	S-SM Fiber	S-SM Fiber	M-Metal Box	V-SM1950 or PM1950 Fiber	B- Bare fiber	05=0.5m	N=Without Connector
1950- 1950nm 10-10% 225-22.5degree Blank for Forward P-PM Fiber P- PM Fiber Blank for SST O=10/130 DC or PMDC Fiber L- Loose Tube 10=1.0m FC/APC=FC/APC Connector	1950- 1950nm	10-10%	225-22.5degree	Blank for Forward	P-PM Fiber	P- PM Fiber	Blank for SST	O=10/130 DC or PMDC Fiber	L- Loose Tube	10=1.0m	FC/APC=FC/APC Connector
2000- 2000nm 50-50% Blank for 45degree R=25/250 DC or PMDC Fiber 2= 2mm Cable 15=1.5m LC/PC=LC/PC Connector	2000- 2000nm	50-50%	Blank for 45degree					R=25/250 DC or PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
2050- 2050nm 80-80% Blank for SMF-28 Fiber 3= 3mm Cable 20=2.0m SC/UPC=SC/UPC Connector or PM1550 Fiber	2050- 2050nm	80-80%						Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector or PM1550 Fiber