

## 2000nm Inline Faraday Rotator

### FEATURES

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

### APPLICATIONS

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

### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength (CW)	nm	1900, 1950, 2000, 2050	
Bandwidth	nm	+/-15	
Insertion Loss	dB	≤1.0	
Faraday Rotation Angle (CW. 23°C)	Deg	22.5, 45, 90	
Rotation Angle Tolerance (CW. 23°C)	Deg	≤+/-3	
Return Loss	dB	≥50	
PDL (for SM Fiber Type)	dB	≤0.15	
Extinction Ratio (for PM Fiber Type)	dB	≥18	
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	
Max. 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:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.3dB 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)

FIFR-NNNN	- NN	- C	C	-(C)	(C)	C	NN	-CC/CCC
Center Wavelength	Rotation Angle	Input Fiber	Output Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1900-1900nm	225=22.5degree	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	90=90degree	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	Blank for 45degree				R=25/250 DC or PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
2050-2050nm					Blank for SMF-28 Fiber or PM1550 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector