2000nm Faraday Mirror with Phase Delay

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 (λc)		nm	1900, 1950, 2000, 2050
Bandwidth		nm	+/-15
Insertion Loss	(Typ.)	dB	0.7
	(Max.)	dB	1.4
Faraday Rotation Angle (Single Pass)	A: FR+WP+FR	deg	90 (Slow axis in and Slow axis Out)
	B: WP+FR	deg	45 (Slow axis in and Fast axis Out)
Phase Delay		-	π, π/2, π/4 or specify
Rotation Angle Tolerance (23°C, λc)		Deg	≤+/-3
Polarization Dependent Loss (SM Fiber Type)		dB	≤0.15
Extinction Ratio (PM Fiber Type)		ps	≥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
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: 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. Forward/backward signals transmit through fast axis/slow axis of a waveplate (WP) induces the phase delay.

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)

FRMD-NNNN - C N C - (C) (C) C NN -CC/CCC

Center Wavelength	*Rotation Angle*	*Phase Delay*	*Type*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
1900=1900nm	A=90	1=π	P= PM Fiber	M=Metal Box	V=SM1950 or PM1950 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1950= 1950nm	B=45	2=π/2	S=SM Fiber	*Blank* for SST	O=10/130 DC or PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
2000= 2000nm		4=π/4			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