1310~1590nm Inline Faraday Rotator

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

SPECIFICATIONS

Parameter		Unit	Value
Center Wavelength (λc)		nm	1310, 1480, 1550, 1590
Operating Wavelength Range		nm	+/-15
Typical Insertion Loss		dB	0.6
Max. Insertion Loss		dB	1.0
Rotation Angle (λc, 23°C)		deg	22.5+/-1, 45+/-1, 90+/-2
Optical Return Loss (Input/Output)		dB	50/50
PDL (For SM Fiber)		dB	≤0.15
Extinction Ratio (For PM Fiber)		dB	≥20
Fiber Type	SM Fiber Type	-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)
	PM Fiber Type	-	PM1310/1550 Panda Fiber or 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)
Fiber Tensile Load		N	5
Maximum Optical Power (CW)		mW	300
Operating Temperature		°C	0~70
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)

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Center Wavelength	*Rotation Angle*	*Input Fiber*	*Output Fiber*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
1310=1310nm	225=22.5degree	S=SM Fiber	S=SM Fiber	M=Metal Box	O=10/130DC Fiber	B=Bare Fiber	05=0.5m	N=Without Connector
1480=1480nm	90=90degree	P= PM Fiber	P= PM Fiber	*Blank* for SST	T=12/130DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550=1550nm	Blank for 45degree				G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1590=1590nm					*Blank* for SMF-28 Fiber or PM1310/1550 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector