Inline Faraday Rotator

RoHS Compliant

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, 1550
Operating Wavelength Range	nm	+/-20
Typical Insertion Loss	dB	0.4
Max. Insertion Loss	dB	0.7
Rotation Angle (λc, 23°C)	deg	45+/-1, 90+/-2
Optical Return Loss (Input/Output)	dB	50/50
PDL (For SM Fiber)	dB	≤0.1
Extinction Ratio (For PM Fiber)	dB	≥20
Fiber Type	-	SMF-28 Fiber or PM Panda Fiber
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	mW	300
Operating Temperature	°C	0~60
Storage Temperature	°C	-20~75
Package Dimension	mm	(Φ)5.5x35

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.

ORDERING INFORMATION

FIFR- **NNNN** - **NN** - **C** **C** **NN** - **CC/CCC**

Center Wavelength	Rotation Angle	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1550=1550nm	45=45degree	S= SMF-28 Fiber	B=Bare Fiber	10=1.0m	N =Without Connector
1310=1310nm	90=90degree	P=PM Panda Fiber	L= Loose Tube	15=1.5m	FC/APC=FC/APC Connector
			3= 3mm Cable	20=2.0m	LC/PC =LC/PC Connector