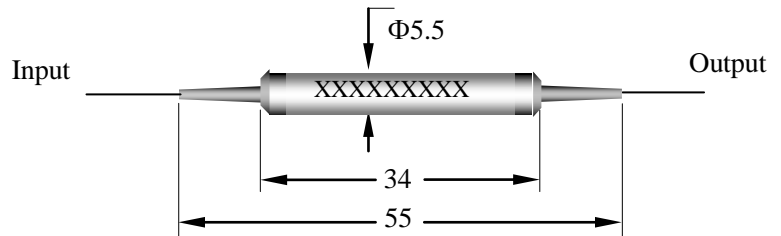


## In-line Faraday Rotator (ILF-1315nm)

### 1. Features:

- Low insertion loss
- High extinction ratio
- High Return Loss
- Excellent environmental stability and reliability



### 2. Applications:

- Fiber Laser
- Fiber Sensor
- Communication System
- Test Instrumentations
- Polarization maintaining optical system



### 3. Compliance:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS

**4. Specifications:**

Parameter	Unit	Values
Operating wavelength	nm	1310,1550 ±15
Rotation Angle, $\lambda_c$ , 23 °C	Degree	45±1
Typ. Insertion Loss at 23°C	dB	≤0.3
Insertion Loss at -5°C~50°C	dB	≤0.5
Extinction Ratio	dB	≥20
Return Loss (Input/Output)	dB	≥50/50
Fiber type (Input P1-output P2)	—	Option1: PM - PM Option2: SMF-28e - PM Option3:SMF-28e-SMF-28e
Operating temperature	°C	-5~70
Storage temperature	°C	-40~85
Input power	mw	≤500
Dimensions	mm	Φ5.5× L34

\*The specifications are w/o connector.

\* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER.

\* For device with connector, key aligned to slow axis.

**5. Product Ordering information:**

ILF	XX	XX	X	X	X	X	XX	XX
Product Description	Operating Wavelength	Rotation Angle	Pigtail Type	Fiber Type	Input Connector Type	Output Connector Type	Package Size	Fiber Length
IL=In-line	13=1310nm	45=45°	0=250um	1=Option1	0=None	0=None	34=Φ5.5×L34	05=0.5m
F=faraday	15=1550nm		1=900um	2=Option2	1=FC/UFC	1=FC/UFC	35=Φ5.5×L35	08=0.8m
			2=2mm	3=Option3	2=FC/APC	2=FC/APC	38=Φ5.5×L38	10=1.0m
			3=3mm		3=SC/UPC	3=SC/UPC		
					4=SC/APC	4=SC/APC		
					5=LC/UPC	5=LC/UPC		
					6=LC/APC	6=LC/APC		

# 深圳市深建通信科技有限公司

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E-mail: [sales@shenjianx.com](mailto:sales@shenjianx.com)

Web : <http://www.shenjianx.com>