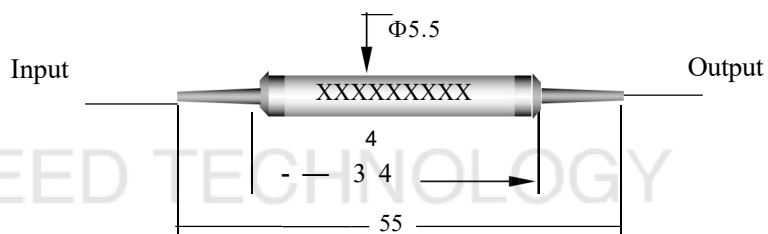


In-line Faraday Rotator (ILF-1315nm)

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:

- > Telcord ia GR-1209-CORE
- > Telcord ia GR-1221-CORE
- RoHS

4. Specifications:

| Parameter | Unit | Values |
|-------------------------------------|--------|-----------------------------------------------------------------------|
| Operating wavelength | nm | 1310, 1550 ±15 |
| Rotation Angle, λ_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 | | |