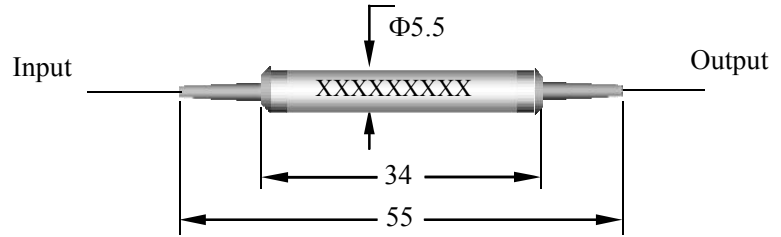


Polarization Maintaining Isolator (1310/1550nm)

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 | Type | Single Stage | | Dual Stage | |
|--|------|------------------------------|--------|------------|--------|
| | | P | A | P | A |
| Operating wavelength (nm) | | 1310 ± 15 or 1550 ± 15 | | | |
| Typ. Insertion Loss(dB)& 23℃ | | 0.4 | 0.5 | 0.5 | 0.6 |
| Insertion loss (dB)& -5℃~50℃ | | ≤0.5 | ≤0.65 | ≤0.65 | ≤0.8 |
| Typ. Peak isolation (dB) | | 42 | 40 | 58 | 55 |
| Isolation at (dB) (23 ℃) | | ≥32 | ≥30 | ≥48 | ≥45 |
| Extinction ratio Type B (dB) | | ≥22 | ≥20 | ≥22 | ≥20 |
| Extinction ratio Type F (dB) | | ≥23 | ≥20 | ≥23 | ≥20 |
| Return loss (input/output) | | ≥55/50 | ≥55/50 | ≥55/50 | ≥55/50 |
| Fiber Type | | SM13-PS-U25A or SM15-PS-U25A | | | |
| Operating temperature (℃) | | -5℃~ + 70℃ | | | |
| Storage temperature (℃) | | -40℃~ + 85℃ | | | |
| Input power (mw) | | ≤500 | | | |
| Dimensions (mm) | | Φ5.5× L34 | | | |
| “B” for Both axis working, “F” for Fast axis blocking. | | | | | |

*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:

| PMI | X | X | X | XX | X | X | XX | XX | XX |
|---------------------|----------|-------|-----------|----------------------|--------------|------------|-------------------------------|--------------|--------------|
| Product Description | Stage | Grade | Axis Type | Operating Wavelength | Pigtail Type | Fiber Type | Input & Output Connector Type | Package Size | Fiber Length |
| P=Polarization | D=Dual | P | B | 06=1064nm | 0=250um | 1=PM98 | 0=None | 34=5.5×34 | 05=0.5m |
| M=Maintaining | S=Single | A | F | 13=1310nm | 1=900um | 2=PM15 | 1=FC/UFC | 35=5.5×35 | 08=0.8m |
| I=Isolator | | | | 15=1550nm | | 3=PM13 | 2=FC/APC | 38=5.5×38 | 10=1.0m |
| | | | | | | 4=others | 3=SC/UPC | | 12=1.2m |
| | | | | | | | 4=SC/APC | | |