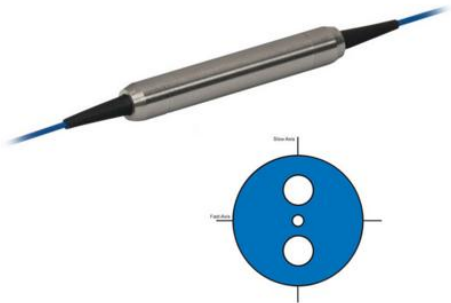


Polarization Maintaining Isolator (1310,1480,1550nm)

| | |
|--|--|
| Features |  |
| Low Insertion Loss | |
| High Extinction Ratio & High Isolation | |
| High stability and reliability | |
| Application | |
| EDFA & Fiber Optical Instrument | |
| Fiber Sensor | |
| Fiber Laser | |

Specifications

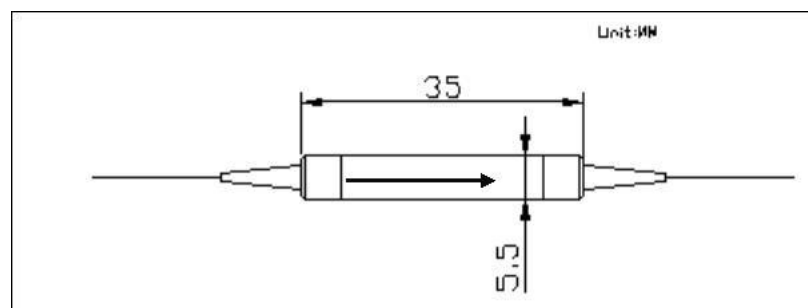
| Type | | Single Grade | | Dual Grade | |
|---------------------------------|-------------------------------|--|-------|------------|-------|
| | | P | A | P | A |
| Parameter | | | | | |
| Operating wavelength (nm) | | 1310,1480, 1550 | | | |
| Bandwidth (nm) | | ±20 | | | |
| Peak isolation (dB) | | 42 | 40 | 58 | 55 |
| Isolation (at 23°C) (dB) | | ≥28 | ≥26 | ≥48 | ≥45 |
| Typ. Insertion Loss (at 23°C) | | 0.4 | 0.5 | 0.5 | 0.6 |
| Insertion Loss (at-5 ~ +70°C) | | ≤0.55 | ≤0.65 | ≤0.65 | ≤0.80 |
| Extinction Ratio (dB) | Type B (Both of axis working) | ≥20 | ≥18 | ≥20 | ≥18 |
| | Type F (Fast axis blocked) | ≥22 | ≥20 | ≥22 | ≥20 |
| Return loss (Input/Output) (dB) | | ≥55 | | | |
| Power handling (mW) | | ≤300 | | | |
| Fiber Type | | 1310nm :PM 1310 Panda Fiber;1550nm:PM1550 Panda Fiber; | | | |
| Operating temperature (°C) | | -5~+70 | | | |
| Storage temperature (°C) | | -40 ~ +80 | | | |
| Dimensions (mm) | | φ5.5×L35(P1) | | | |

*Above specifications are for devices without the connectors.

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

*The PM fiber and the connector key are aligned to the slow axis. And for F type, fast axis is blocked, for type B ; both axis is working

Package Dimensions



Ordering Information

| PMIS | Wavelength | Type | Grade | Axis Alignment | Package | Pigtail Type | Length | Connector |
|------|---|--------------------------------|------------------------|--|---------------------------|--|--|--|
| | 1310=1310nm 1480=1480nm 1550=1550nm | S=Single stage D=Dual Stage | P=P Grade A=A Grade | F=Fast Axis Blocked B=Both Axis Working | 1=P1 (ϕ 5.5×L35) | 1=250um bare fiber 2=900um loose tube 3=3mm loose tube 4=2mm loose tube | H=0.5m 8=0.8m 1=1.0m 5=1.5m 2=2.0m 3=3.0m 4=4.0m A=2.5m B=5.0m | 0=None 1=FC/UPC 2=FC/APC 3=LC/UPC 4=LC/APC 5=SC/APC 6=SC/UPC |