

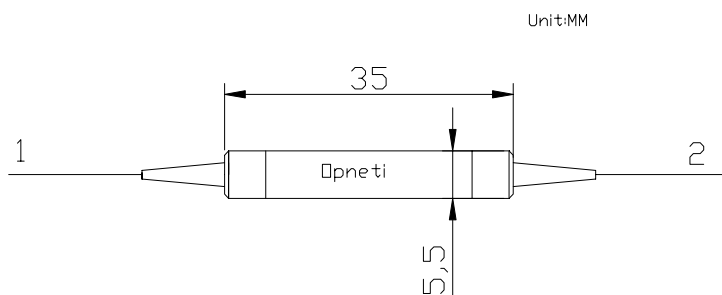
In Line Faraday Rotator

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| Features | |
| Low Insertion Loss High Extinction Ratio & High Return Loss High stability and reliability | |
| Application | |
| Fiber Optical Instrument Fiber Sensor Fiber Amplifier | |

Specifications

| Parameter | IFR |
|---|--------------------|
| Center wavelength (nm) | 1310, 1550 |
| Bandwidth (nm) | ±20 |
| Insertion Loss (dB) | ≤0.50 (Typ. 0.3dB) |
| Rotation Angle CWL, at 23°C (Deg) | 45±1 |
| Extinction Ratio (dB) (Slow axis of Port 1 is aligned to slow axis of Port 2, PM-PM type at 23°C) | ≥20 |
| Extinction Ratio (dB) (Slow axis of Port 2 is aligned to fast axis of Port 1, PM-PM type at 23°C) | ≥20 |
| Return loss (dB) | ≥50 |
| Power handling (mW) | ≤500 |
| Fiber Length (m) | 0.80 |
| Operating temperature (°C) | -5~+70 |
| Storage temperature (°C) | -40 ~ +80 |
| Dimensions (mm) | φ5.5×L35 |

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis.

Package Dimensions

Ordering Information

| IFR | Wavelength | Pigtail Type | Fiber Type | Length | Connector |
|-----|--------------|---|---|-----------|---|
| | 1310 1550 | 250=250um bare fiber 900=900um loose tube 3000=3mm loose tube | 1=PM Fiber-SMF-28e 2= SMF-28e – PM fiber 3= SMF-28e–SMF-28e | 0.8= 0.8m | NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC XX=Other |