

## Optical Fiber In Line Polarizer (300nm – 3000nm)

Low cost optical fiber in line polarizer with model number **OEILP-100** is used to convert unpolarized light into linearly polarized light. It has one input of single mode fiber and one output with polarization maintaining fiber. The polarizer has good performance including low insertion loss, high extinction ratio, and high return loss. Moreover, the advanced package technique ensures excellent environmental stability. It can be connected conveniently into the optical system by pigtailed input/output connectors.



Figure 1. Optical Fiber In Line Polarizer

### Features of optical fiber in line polarizer ( OEILP-100 )

- Low insertion loss
- High extinction ratio
- High return loss
- Compactness and light weight
- High stability and reliability
- Low cost

### Applications for optical fiber in line polarizer ( OEILP-100 )

- Optical detector
- Optical components
- Optical testing sets
- Optical signal processing
- Optical fiber sensing

## Specifications

Operating Wavelength	300nm - 2500nm
Working Bandwidth	> 60nm
Extinction Ratio	>= 20dB
Insertion Loss	1 ~ 1.4 dB
Return Loss	>= 20dB
Input fiber	SM
Output fiber	PM
Pigtail length	1m
Dimension	20x80x15(mm) WxLxH
Operating Temperature	-20°C ~ +60°C