

## Optical Fiber Polarizer (300nm – 2500nm)

Optical polarizer (**HP**) is used to convert circularly polarized light into linearly polarized light. It has one input of single mode fiber and two output with polarization maintain 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.

### Features of our polarizer (HP):

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

### Applications for our polarizer (HP):

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

## Specifications

Operating Wavelength	300nm - 2500nm
Insertion Loss	$\leq 1$ dB
Extinction Ratio	$\geq 15$ dB
Return Loss	$\geq 20$ dB
Pass Band	$> 30$ nm
Pigtail length	1m
Operating Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$



Figure 1. 2um Optical Fiber Polarizer