

# 0107 Polarizer/Depolarizer

## Z3002-P

### 1550 nm In-Line Depolarizer, 2 mm Buffer, PM-PM

The Z3002-P is a 1550 nm in-line depolarizer which is designed to pass the light with the specified polarization, blocking the others. The function is to transform non-polarized light into linearly polarized light, for a high extinction ratio. It is also used to enhance the extinction ratio of the signals of precision measurement systems, fiber sensors, and high-speed test instrumentations where a high extinction ratio is required.

#### FEATURES

- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Reliability
- High Stability

#### USE IN

- Communication Systems
- Test Instrument
- Fiber Sensor
- Research

Center Wavelength	1550 nm
Operating Wavelength Range	±30 nm
Insertion Loss@23°C	0.8 dB typ.; 1.0 dB max.
Return Loss	50 dB min.
Extinction Ratio@23°C	22 dB typ.; 20 dB min.
Optical Power(CW)	300 mW max.
Tensile Load	5 N max.
Operating Temperature	-5°C to +70°C
Storage Temperature	-40°C to +85°C
Fiber Type for Input & Output	PM-PM
Dimensions	35x5.5x5.5 mm