

# 0107 Polarizer/Depolarizer

Z2100-P



## 980 nm In-line Polarizer, SM-PM

This in-line polarizer is designed to pass light with the specified polarization, while blocking the rest. 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.

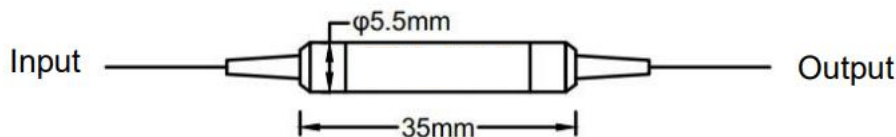
### FEATURES

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

### USE IN

- Communication Systems
- Test Instrument
- Fiber Sensor
- Research

### MECHANICAL DRAWING



|                               |                          |
|-------------------------------|--------------------------|
| Center Wavelength             | 980 nm                   |
| Operating Wavelength Range    | ±10 nm                   |
| Insertion Loss                | 0.7 dB typ.; 0.9 dB max. |
| Return Loss                   | 50 dB min.               |
| Extinction Ratio              | 28 dB typ.; 25 dB min.   |
| Power Handling                | 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 | SM-PM                    |
| Dimensions                    | 5.5x5.5x35 mm            |

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**