

0107 Polarizer/Depolarizer

Z3002-P



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

The depolarizer divides an input beam into two orthogonally polarized beams of equal power. It introduces a delay in one beam before reuniting both using a polarization combiner. The delay exceeds the coherence length of the light source, removing the fixed phase relationship upon recombination.

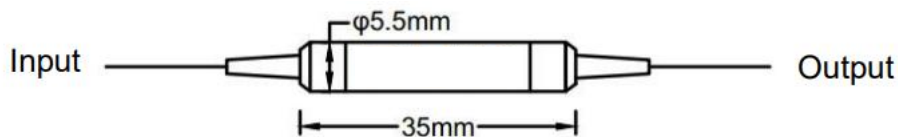
FEATURES

- 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	1550 nm
Operating Wavelength Range	±50 nm
Insertion Loss	0.3 dB typ.; 0.5 dB max.
Return Loss	50 dB min.
Extinction Ratio	30 dB max.
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	PM-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.