

## 0107 Polarizer/Depolarizer

Z5300-S



### 850 nm In-line Polarizer, SM-SM

The Z5300-S has very low insertion loss, high return loss, high extinction ratio and high stability & reliability. It can be used for fiber sensor, testing instruments and communication systems.

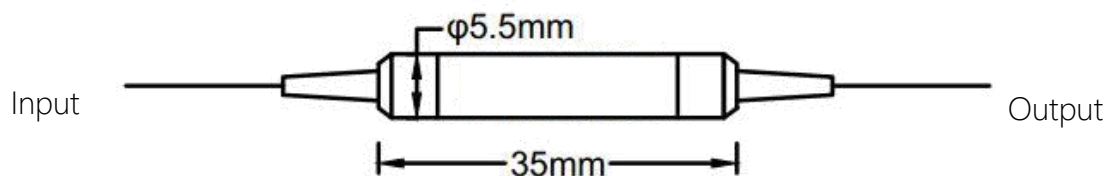
#### FEATURES

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

#### USE IN

- Fiber Sensor
- Testing Instrument
- Research
- Communication Systems

#### MECHANICAL DRAWING



Center Wavelength	850 nm
Operating Wavelength Range	±10 nm
Insertion Loss	0.6 dB typ.; 0.8 dB max.
Extinction Ratio	28 dB typ.; 25 dB max.
Return Loss	50 dB min.
Fiber Type for Input & Output	SM to SM
Power Handling	300 mW max.
Tensile Load	5 N max.
Operating Temperature	-5°C to +70°C
Storage Temperature	-40°C to +85°C

\* With connectors, IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower.

**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.**