In-line Linear Polarizer (High Output Polarization Extinction Ratio)

FEATURES

- ✓ Low Insertion Loss
- ✓ Ultra-High Output Polarization Extinction Ratio (ER)
- ✓ High Reliability and Stability

APPLICATIONS

- ➢ Fiber Optical Instrument
- ➢ Electro-Optic Modulators
- ➢ Fiber Gyroscopes
- ➢ Other Polarization-Sensitive Applications

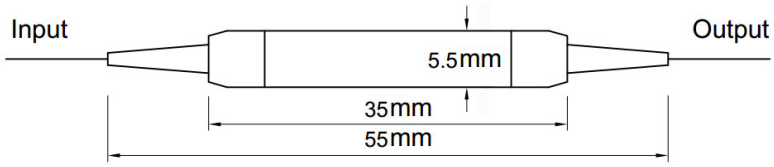
Specifications of In-line Linear Polarizer (High Output Polarization Extinction Ratio)

Center Wavelength（nm）	2000	1550, 1310	1064	980	850	780	630	460
Operating Wavelength Range (nm)	±30	±50	±30	±20	±20	±20	±20	±20
Insertion Loss @ 23℃ (dB)	≤1.0	≤0.5	≤0.6	≤0.8	≤1.0	≤1.0	≤1.3	≤1.8
Min. Extinction Ratio @ 23℃ (dB)	20, 24, 28, 32, 35, 40				20, 24, 28, 32			
Input & Output Fiber Type	PM1550 SMF-28e	PM1310 PM1550 SMF-28e	PM980 HI1060	PM980 HI1060	PM850 HI780	PM780 HI780	PM630 630-HP	PM460 460-HP
Return Loss (dB)	≥50							
Power Handling (W)	0.3, 1, 2, 3, 5							
Operating Temperature (°C)	0 to +70							
Storage Temperature (°C)	-40 to +85							
Package Dimensions (mm)	Φ5.5 * L35							

Note:

1. For linear polarizer with connector, IL is 0.3 dB higher, RL is 5.0 dB lower, and ER will be 2.0 dB lower.
2. Unless otherwise specified, the linear polarization (output) is aligned along the slow axis of the polarization-maintaining (PM) fiber.
3. Lfiber can also customize circular polarizer (the transmitted polarization is circular) upon request.
4. This in-line linear polarizer (high output polarization extinction ratio) is customizable, and the above specifications are subject to change without notice.

Package Dimensions



Ordering Info for In-line Linear Polarizer (High Output Polarization Extinction Ratio)						
Wavelength	**Fiber Type**	**Extinction Ratio**	**Package Dimensions**	**Fiber Jacket**	**Fiber Length**	**Connector**
460 nm	PM fibers for input & output	≥20	Φ5.5 * L35 mm	Φ250μm bare fiber (without jacket)	0.5 m	None
630 nm	PM fiber for input, non-PM fiber for output	≥24		Φ900μm loose tube	0.8 m	FC/UPC
780 nm	Non-PM fiber for input, PM fiber for output	≥28			1.0 m	FC/APC
850 nm	Non-PM fibers for input & output	≥32			1.5 m	SC/UPC
980 nm		≥35			2.0 m	SC/APC
1064 nm		≥40				LC/UPC
1310 nm						LC/APC
1550 nm						Others
2000 nm						