O/E LAND INC.
7639 Cordner
Lasalle, QC, Canada, H8N 2X2
Tel:1-514-334-4588
Fax:1-514-334-0216
www.o-eland.com

[OEPAS-ILP-100]

Optical Fiber In Line Polarizer

Features:

- Low insertion loss
- High extinction ratio
- High return loss
- Compactness and light weight
- High stability and reliability
- Low Cost

Applications:

- Optical detector
- Optical components
- Optical testing sets
- Optical signal processing
- Optical fiber sensing

Product description:

Low cost optical fiber in line polarizer with model number **OEPAS-ILP-100** is used to convert unpolarized light into linearly polarized light. It has one input of single mode fiber and one output with polarization maintaining fiber. The polarizer has good performance including low insertion loss, high extinction ratio, and high return loss. Moreover, the advanced package technique ensures excellent environmental stability. It can be connected conveniently into the optical system by pigtailed input/output connectors.

Fig1. Optical Fiber In Line Polarizer

Product specifications:

Parameters	Unit	EVOA
Operating Wavelength	nm	300nm - 2500
Working Bandwidth	nm	> 60
Extinction Ratio	dB	>= 20
Insertion Loss	dB	1 ~ 1.4
Return loss	dB	>= 20
Input fiber	dB	SM

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Output fiber	dB	PM
Pigtail length	dB	1m
Dimension	°C	20x80x15(mm) WxLxH
Operating Temperature	W	-20°C ~ +60°C

***Tuning range can significantly vary depending on FBG specifications.*

**** Recommended values. The ambient environment temperature can limit the performance, incl. the tuning range.*

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