Inline Polarizor (ILP 1064, 1310, 1480, 1550)

1. Description

The In-line Polarizer is designed to pass light with one specific polarization while blocking the other polarization. It can be used to convert unpolarized light into polarized light with high extinction ratio. It can also be used to enhance the extinction ratio of signals with its excellent polarization properties.

2. Features

High Extinction Ratio
Low Insertion Loss
High stability and reliability

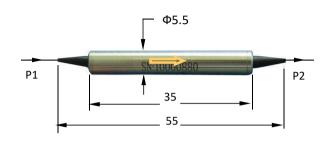
3. Applications

Fiber Lasers

Optical Transmitters & Transceivers

Fiber Amplifiers

Fiber Sensors

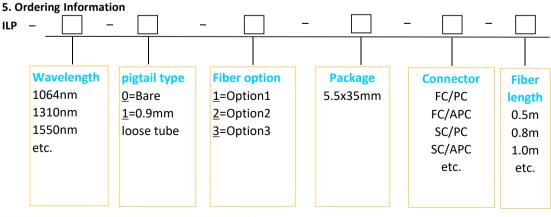


4. Specifications

+1 Specifications			
Parameters	Unit	Value	
Center Wavelength (λc)	nm	1310, 1480, 1550	1064
Operating wavelength range	dB	±30	±10
Typ. Insertion Loss at Tr*	dB	0.3	0.4
Insertion Loss at Tr*	dB	≤0.5	≤0.6
Typical Extinction Ratio at Tr*	dB	30	30
Extinction Ratio at Tr*	dB	≥28	≥28
Return Loss	dB	≥50	≥50
Power handling(CW)	mW	≤300	
Tensile Load	N	≤5	
Fiber Type		PM 1310, 1480, 1550nm Panda Fiber	PM 980 Panda Fiber
Input-output fiber option		Option1: PM fiber-PM fiber Option2: Single Mode fiber (SMF)-PM fiber	
Operating Temperature	$^{\circ}\mathbb{C}$	-5 to +70	
Storage Temperature	${\mathbb C}$	-40 to +85	

Remark

- * Tr=Room temperature, To=Operating temperature.
- * Above specifications are for device without connector.
- * For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 3dB lower for ER
- * The PM fiber and the connector key are aligned to the slow axis.(Default if customer no special request)



Example: ILP-1064-0-1-5.5x35-FC/PCx2-1m