

# 2 $\mu\text{m}$ in-line Polarizer

(polarization independent and polarization maintain)

## Product Description

The 2 $\mu\text{m}$  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. It is ideal for high speed communication systems and test instrumentations where high polarization extinction ratio is required.



## Features

- High Power Handling
- Low IL
- High Reliability & Stability
- Cost Effective

## Performance Specifications

2 $\mu\text{m}$ in-line Polarizer	Typical	Unit
Center Wavelength ( $\lambda_c$ )	2000	nm
Insertion Loss <sup>1,2</sup>	1.0	dB
Extinction Ratio	20	dB
Return Loss	50	dB
Average Optical Power Handling <sup>3</sup>	300	mW
Fiber Type	SMF-28 / PM 1550 Panda Fiber	
Operating temperature	-5 - 70	°C
Storage temperature	-40 - 85	°C

Note:

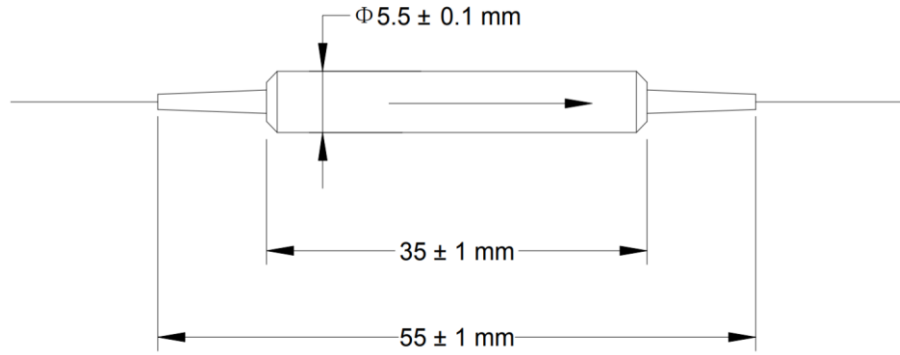
1. Measured without connectors at center wavelength and 23°C
2. Operating Wavelength Range  $\lambda_c \pm 30\text{nm}$
3. Continuous operation.

## Applications

- Laser Pump Source
- Optical Fiber Amplifier
- Laser Manufacturing
- Test and Measurement

# 2 μm in-line Polarizer

## Mechanical Dimensions (mm)



## Ordering Information

ILP2-	A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Wavelength	Input Fiber	Output Fiber	Fiber Type	Fiber Length	Connector
		2000=20 Special=00	SMF-28e=1 PM1550 =2 Special =0	SMF-28e=1 PM1550 =2 Special =0	Bare fiber=1 900um tube=2 Special=0	0.75 M =01 Special=00	None=1 FC/PC=2 FC/APC=3 SC/PC=4 SC/APC=5 ST/PC=6 LC=7 Special=0