



2 μ m In-Line Polarizer (ILP Series)

Rev 11B

Description

The 2 μ 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.

Key Features

- Low Insertion Loss

Applications

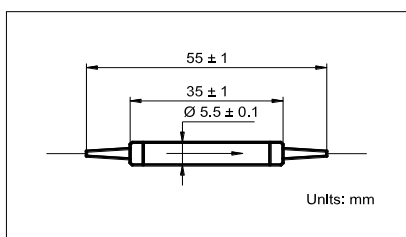
- Fiber Optic Instruments

Specifications

Parameters	Unit	Value
Center Wavelength (λ_c)	nm	2000
Operating Wavelength Range	nm	$\lambda_c \pm 30$
Typ. Insertion Loss	dB	0.8
Max. Insertion Loss	dB	1.0
Min. Extinction Ratio, 23 °C	dB	20
Max. Optical Power (Continuous Wave)	mW	300
Min. Return Loss	dB	50
Fiber Type	-	SMF-28 or PM 1550 Panda Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

¹IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

ILP-①①①①-②-③-④-⑤

①①①①: Wavelength

2000 - 2000 nm

SSSS - Specify

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③: Fiber Jacket

B - 250 μ m Bare FiberL - 900 μ m Loose Tube

S - Specify

④: Fiber Type (Input/Output)

1 - PMF/PMF

2 - SMF/PMF

3 - SMF/SMF

⑤: Fiber Length

Q - 0.75 m

S - Specify