



In-Line Polarizer (ILP Series)

Rev 11C

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. It is ideal for high speed communication systems and test instrumentations where high polarization extinction ratio is required.

Key Features

- High Extinction Ratio
- Low Insertion Loss

Applications

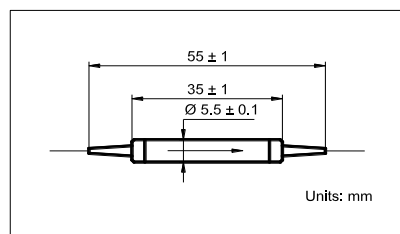
- Test Bench/System

Specifications

Parameters	Unit	Values
Center Wavelength (λ_c)	nm	1310, 1480 or 1550
Operating Wavelength Range	nm	$\lambda_c \pm 50$
Typ. Insertion Loss	dB	0.3
Max. Insertion Loss	dB	0.5
Typ. Extinction Ratio	dB	30
Min. Extinction Ratio, 23°C	dB	28
Max. Optical Power (Continuous Wave)	mW	300
Min. Return Loss	dB	50
Fiber Type	-	SMF-28 or PM 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-①①-②-③-④-⑤

①①: Wavelength	②: Connector Type	③: Fiber Jacket	④: Fiber Type (Input/Output)	⑤: Fiber Length
31 - 1310 nm	1 - FC/UPC	B - 250 μ m Bare Fiber	1 - PMF/PMF	Q - 0.75 m
48 - 1480 nm	2 - FC/APC	L - 900 μ m Loose Tube	2 - SMF/PMF	S - Specify
55 - 1550 nm	3 - SC/UPC	S - Specify	3 - SMF/SMF	
SS - Specify	4 - SC/APC			
	N - None			
	S - Specify			