



1064 nm In-Line Polarizer (ILP Series)

Rev 11B

Description

The 1064 nm 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 instruments where high polarization extinction ratio is required.

Key Features

- High Extinction Ratio
- Low Insertion Loss
- High Return Loss

Applications

- Fiber Lasers
- Fiber Optic Instruments

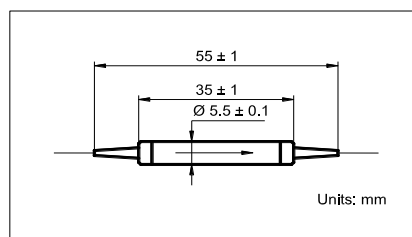
Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1064
Operating Wavelength Range	nm	$\lambda_c \pm 30$
Typ. Insertion Loss, 23 °C	dB	0.4
Max. Insertion Loss	dB	0.6
Typ. Extinction Ratio, 23 °C	dB	30
Min. Extinction Ratio, 23 °C	dB	28
Min. Return Loss	dB	50
Max. Optical Power (Continuous Wave)	mW	300
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

¹IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added.

²Connector 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
06 - 1064 nm	1 - FC/UPC	B - 250 μ m Panda Fiber	1 - PMF/PMF	Q - 0.75 m
SS - Specify	2 - FC/APC	L - 900 μ m Loose Tube	2 - SMF/PMF	S - Specify
	3 - SC/UPC	S - Specify	3 - SMF/SMF	
	4 - SC/APC			
	N - None			