

## In-Line Polarizer

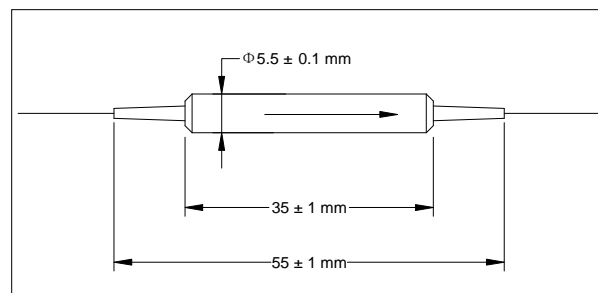
The In-Line Polarizer is designed to pass light with one specific polarization while blocking the other polarization. It can be used to convert unpolarized light into polarized light with high extinction ratio. It can also be used to enhance the extinction ratio of signals with its excellent polarization properties. It is ideal for high speed communication systems and test instrumentations where high polarization extinction ratio is required.

### Specifications

Parameters	Unit	Values
Center Wavelength ( $\lambda_c$ )	nm	1310, 1480, 1550
Operating Wavelength Range	nm	$\lambda_c \pm 50$
Typ. Insertion Loss, 23 °C	dB	0.3
Max. Insertion Loss, 23 °C	dB	0.5
Typ. Extinction Ratio, 23 °C	dB	30
Min. Extinction Ratio, 23 °C	dB	28
Max. Optical Power (CW)	dB	300
Min. Return Loss	dB	50
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

\* IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added.  
 \* The 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	1 - FC/UPC	B - 250 $\mu$ m Panda fiber	1 - PM/PM	Q - 1.00 m
48 - 1480	2 - FC/APC	D - 400 $\mu$ m Panda fiber	2 - SMF/PM	S - Specify
55 - 1550	3 - SC/UPC	L - 900 $\mu$ m loose tube	3 - SMF/SMF	
SS - Specify	4 - SC/APC	S - Specify		
	N - None			

