

## In-Line Polarizer (GK-ILP Series)

### ● Description

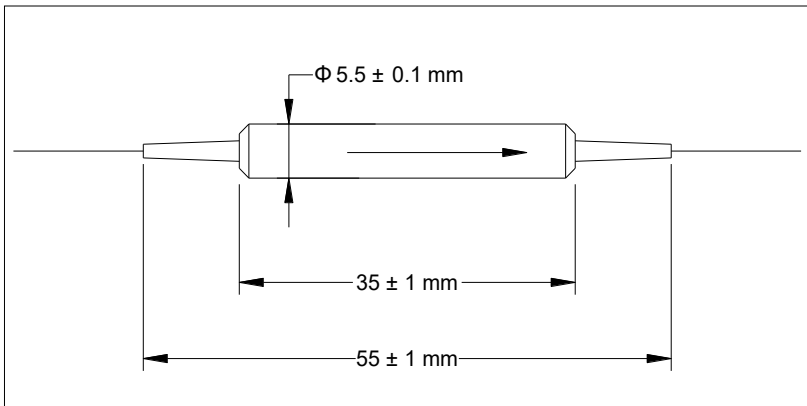
The In-Line Polarizer is designed to pass light with one specific polarization while blocking the other polarization. It can be used to convert unpolarized light into polarized light with high extinction ratio. It can also be used to enhance the extinction ratio of signals with its excellent polarization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

### ● Specifications

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

<sup>1</sup>IL 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

GK-ILP-①-②-③-④-⑤

### ①: Wavelength

31 - 1310 nm

48 - 1480 nm

55 - 1550 nm

SS - 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  $\mu\text{m}$  Bare Fiber

L - 900  $\mu\text{m}$  Loose Tube

S - Specify

### ④: Fiber Type (Input/Output)

1 - PM/PM

2 - SMF/PM

3 - SMF/SMF

### ⑤: Fiber Length

Q - 0.75 m

S - Specify