

PRODUCT INFORMATION SHEET

In-Line Polarizer (ILP Series)

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 are required.

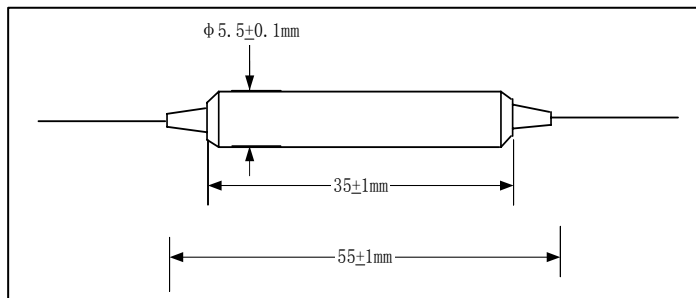
➤ Specifications

Parameters	Unit	Values
Center Wavelength	nm	1310, 1480 or 1550
Operating Wavelength Range	nm	± 50
Typ. Insertion Loss at 23°C	dB	0.3
Max. Insertion Loss at 23°C	dB	0.5
Typ. Extinction ratio at 23°C	dB	30
Min. Extinction ratio at 23°C	dB	28
Min. Return loss	dB	50
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to + 85

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

➤ Package Dimensions



➤ Ordering Information

ILP-①-②-③-④-⑤

① Wavelength	② Connector Type	③ Fiber Type	④ Fiber Type(input-output)	⑤ Fiber Length
31 - 1310nm	1 - FC/UPC	B - 250um Panda Fiber	1 - PM-PM	Q - 0.75 m
48 - 1480nm	2 - FC/APC	D - 400um Panda Fiber	2 - SMF-PM	S - Specify
55 - 1550nm	3 - SC/UPC	L - 900um loose tube Panda Fiber	3 - SMF-SMF	
SS - Specify	4 - SC/APC	S - Specify		
	N - None			
	S - Specify			

Remark: The PM fiber and the connector key are aligned to the slow axis