

# In-line Polarizer

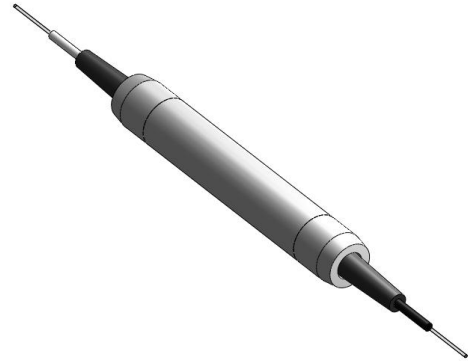
The In-line Polarizer is a Micro Optics device can be used to convert un-polarized light into polarized light with high extinction ratio. It can also be used to enhance the extinction ratio of signals. The In-line polarizer offers low insertion loss, high extinction ratio, high return loss and excellent environmental stability and reliability.

## Features

- \*Low insertion loss
- \*High extinction ratio
- \*Excellent stability and reliability

## Applications

- \* Test Instrument
- \* Fiber Sensors
- \* Fiber amplifiers
- \* Communications Systems

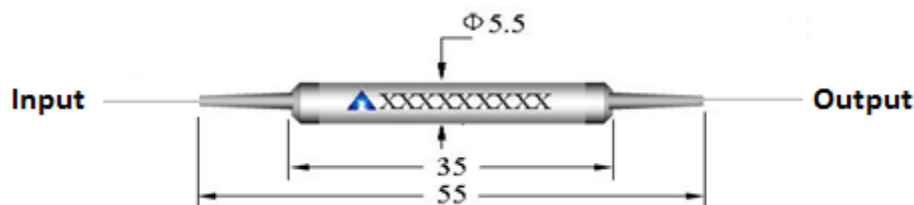


## Specifications

Parameter	Unit	Value				
		1550	1310	1064	980	850
Center wavelength	nm	1550	1310	1064	980	850
Operating bandwidth	nm	±50	±50	±30	±10	±10
Typ. Insertion Loss at 23°C	dB	0.3		0.4	0.7	0.8
Max. Insertion Loss at 23°C	dB	0.5		0.6	0.9	1
Typ. Extinction Ratio at 23°C	dB	30		30	28	28
Min. Extinction Ratio at 23°C	dB	28		28	25	25
Min. Return loss	dB	50				
Fiber type		PM1550 SMF-28e	PM1310 SMF-28e	PM980 Hi1060	PM980 Hi1060	PM850 SM800
Max.Handling power	mW	300				
Operating temperature	°C	-5~70				
Storage Temperature	°C	-40~85				

Remark: The Above specifications is without connector. IL is 0.3dB (1310~1550nm) or 0.40dB (980~1060) or 0.60dB (780~850) higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

## Package Dimensions



## Ordering Information

ILP - A - B - C - D - E - F - G - H - I		
<b>A</b>	Port Number	1×1
<b>B</b>	Wavelength	1550=1550nm, 1310=1310nm, 1064=1064nm , 980=980nm , 850=850nm , S=Special
<b>C</b>	Axis Alignment for PM	F=Slow axis working, Fast axis blocked; S= Fast axis working, Slow axis blocked;
<b>D</b>	Pigtail Type	BF=bare fiber, 0.9=0.9mm loose tube
<b>E</b>	Fiber Type for Input	SMF-28e, Hi1060, PM1550, PM1310, PM980, etc
<b>F</b>	Fiber Type for Output	SMF-28e, Hi1060, PM1550, PM1310, PM980, etc
<b>G</b>	Connector Type	N=None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC, etc
<b>H</b>	Package Size	5.5x35mm
<b>I</b>	Fiber length	003=0.3m, 005=0.5m; 010=1.0m; 100=10m etc
For example: ILP-1*1-1550-F-BF-SMF28e- PM1550-FC/APC*2-5.5x35-010		