

## 1650nm In Line Polarizer

1650nm In Line Polarizer is a fiber optic passive component which can be used for converting the non polariaered light to a polarized light, it only allows the polarization light that paralleled to the polarizer to pass and block the other polarization, it also can be used to enhance extinction ratio of the polarization light. High power type is also available upon request.

### Application:

Fiber Optic Amplifier  
Fiber Optic Sensor  
Fiber Laser  
Lab And Research

### Features:

High Extinction Ratio  
High Power Available  
Low Insertion Loss  
High Reliability



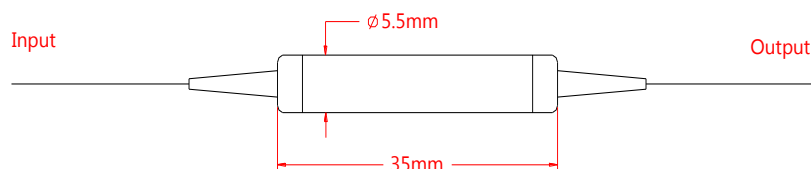
### Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	1650	nm
Bandwidth	BW	$\pm 10$	nm
Typ. Insertion Loss	IL	0.4	dB
Max. Insertion Loss	IL	0.6	dB
Typ. Extinction Ratio	ER	28	dB
Min. Extinction Ratio	ER	26	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	300	mW
Max. Tensile Load		5	N
Fiber Type		PM Panda fiber or SMF-28e fiber	-
Operating Temperature	T	-5~70	°C
Storage Temperature	T	-40~85	°C
Package Dimension		$\Phi 5.5 \times L35$	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower, slow axis is default aligned to the connector key.

### Drawing:



### Ordering Information (Part Number):

ILP- <b>WWW</b> - <b>FF</b> - <b>J</b> - <b>LL</b> - <b>CC</b>				
<b>WWW</b>	<b>FF</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Fiber Type (Input/Output)	Fiber Jacket	Fiber Length	Connector
1625 - 1625nm	PP - PM fiber on input and output port	B - 250um Bare Fiber	05 - 0.5m	NE - None
1650 - 1650nm	SS - SM fiber on input and output port	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
	PS - PM fiber on input port	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
	SM fiber on output port	3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
	SP - SM fiber on input port		SS - Specify	SU - SU/APC
	PM fiber on output port			LA - LC/APC
				LU - LC/UPC
				SS - Specify