

## 790nm In Line Polarizer

790nm In Line Polarizer is a fiber optic passive component which can be used for converting the non polarized 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



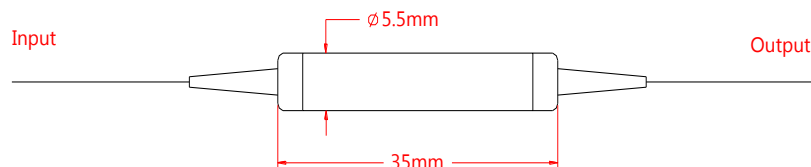
### Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	790	nm
Bandwidth	BW	$\pm 10$	nm
Typ. Insertion Loss	IL	0.8	dB
Max. Insertion Loss	IL	1.0	dB
Typ. Extinction Ratio	ER	28	dB
Min. Extinction Ratio	ER	25	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	300	mW
Max. Tensile Load		5	N
Fiber Type		PM 780 Panda fiber or HI 780 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-*WWW*-*FF*-*J*-*LL*-*CC***

<i>WWW</i>	<i>FF</i>	<i>J</i>	<i>LL</i>	<i>CC</i>
Wavelength	Fiber Type (Input/Output)	Fiber Jacket	Fiber Length	Connector
760 - 760nm	PP - PM fiber on input and output port	B - 250um Bare Fiber	05 - 0.5m	NE - None
780 - 780nm	SS - SM fiber on input and output port	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
785 - 785nm	PS - PM fiber on input port	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
790 - 790nm	SM fiber on output port	3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
793 - 793nm	SP - SM fiber on input port		SS - Specify	SU - SU/APC
	PM fiber on output port			LA - LC/APC
				LU - LC/UPC
				SS - Specify