

## 1450nm In Line Depolarizer

1450nm In Line Depolarizer is a fiber optic passive component which can be used for transferring the polarization light into depolarized light to reduce the influence of the polarization state on the fiber system, it's widely used in Fiber Optic Sensor, Fiber Amplifier and Fiber Optic Gyro. High power type is also available upon request.

### Application:

Fiber Optic Amplifier  
Fiber Optic Sensor  
Fiber Optic Gyro  
Lab And Research

### Features:

Low Polarization Degree  
High Power Available  
Low Insertion Loss  
High Reliability



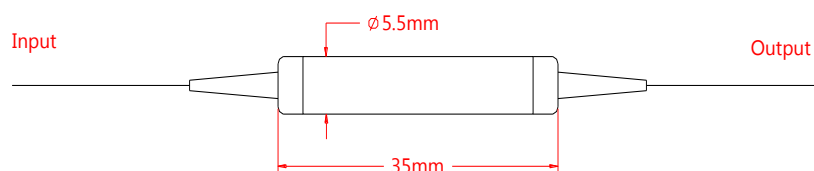
### Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	1450	nm
Bandwidth	BW	$\pm 50$	nm
Typ. Insertion Loss	IL	0.3	dB
Max. Insertion Loss	IL	0.5	dB
Max. Degree Of Polarization	DOP	10	%
Max. Extinction Ratio	ER	3	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		PM Panda fiber or SMF-28e fiber	-
Operating Temperature	T	-5~70	$^{\circ}\text{C}$
Storage Temperature	T	-40~85	$^{\circ}\text{C}$
Package Dimension		$\Phi 5.5 \times L35$	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 $^{\circ}\text{C}$ .

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

### Drawing:



### Ordering Information (Part Number):

**ILD**P-**WWW**-**FF**-**J**-**LL**-**CC**

WWW	FF	J	LL	CC
Wavelength	Fiber Type (Input/Output)	Fiber Jacket	Fiber Length	Connector
1310 - 1310nm	PP - PM Panda fiber on input and output port	B - 250um Bare Fiber	05 - 0.5m	NE - None
1450 - 1450nm	PS - PM Panda fiber on input port	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1480 - 1480nm	SMF-28e fiber on output port	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
1550 - 1550nm		3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
			SS - Specify	SU - SU/APC
				LA - LC/APC
				LU - LC/UPC
				SS - Specify