850nm In Line Depolarizer

850nm In Line Depolarizer is a fiber optic passive component which can be used for transfering 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:

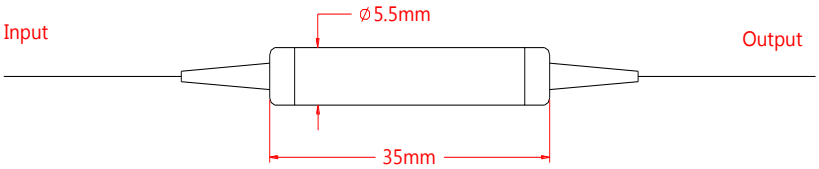
Low Polarization Degree
High Power Available
Low Insertion Loss
High Reliability

Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	850	nm
Bandwidth	BW	±30	nm
Typ. Insertion Loss	IL	0.8	dB
Max. Insertion Loss	IL	1.0	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. Tensil Load		5	N
Fiber Type		PM Panda fiber or HI 780 fiber	-
Operating Temperature	T	-5~70	℃
Storage Temperature	T	-40~85	℃
Package Dimension		Φ5.5×L35	mm

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

ILDP-WWW-FF-J-LL-CC

WWW	FF	J	LL	CC
Wavelength	**Fiber Type (Input/Output)**	**Fiber Jacket**	**Fiber Length**	**Connector**
800 - 800nm	PP - PM Panda fiber on input and output port	B - 250um Bare Fiber	05 - 0.5m	NE - None
808 - 808nm	PH - PM Panda fiber on input port	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
810 - 810nm	HI 780 fiber on output port	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
820 - 820nm		3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
830 - 830nm			SS - Specify	SU - SU/APC
850 - 850nm				LA - LC/APC
				LU - LC/UPC
				SS - Specify