1040nm In Line Depolarizer

1040nm In Line Depolarizer is built with quarter-wave plate which can be used for transfering the line polarization light into circularly polarized light or elliptically polarized light light to reduce the influence of the polarization state on the fiber system, it's widely used in Quantum Communication, Fiber Optic Sensor and OCT field. High power type is also available upon request.

Application:

Quantum Communication
Fiber Optic Sensor
OCT
Lab And Research

Features:

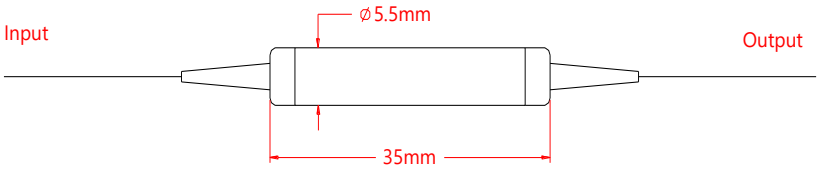
Low Polarization Degree
High Power Available
Low Insertion Loss
High Reliability

Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1040	nm
Bandwidth	BW	±30	nm
Typ. Insertion Loss	IL	0.4	dB
Max. Insertion Loss	IL	0.6	dB
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 980 Panda fiber or HI 1060 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-WWWW-FF-J-LL-CC

WWWW	FF	J	LL	CC
Wavelength	**Fiber Type (Input/Output)**	**Fiber Jacket**	**Fiber Length**	**Connector**
1030 - 1030nm	PP - PM Panda fiber on input and output port	B - 250um Bare Fiber	05 - 0.5m	NE - None
1040 - 1040nm	PH - PM Panda fiber on input port	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1050 - 1050nm	HI 1060 fiber on output port	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
1060 - 1060nm		3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
SSSS - Specify			SS - Specify	SU - SU/APC
				LA - LC/APC
				LU - LC/UPC
				SS - Specify