

830nm In Line Depolarizer

830nm In Line Depolarizer is built with quarter-wave plate which can be used for transferring the line polarization light into circularly polarized light or elliptically polarized 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



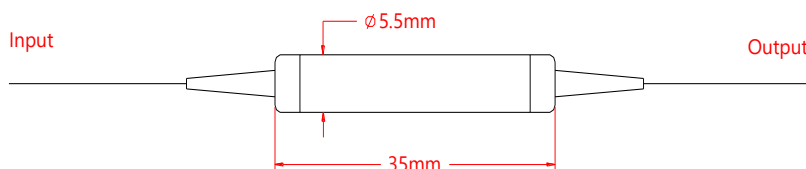
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	830	nm
Bandwidth	BW	± 30	nm
Typ. Insertion Loss	IL	0.7	dB
Max. Insertion Loss	IL	1.0	dB
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		PM780-HP 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, 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
830 - 830nm	PP - PM Panda fiber on input and output port	B - 250um Bare Fiber	05 - 0.5m	NE - None
840 - 840nm	PH - PM Panda fiber on input port	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
850 - 850nm	HI 780 fiber on output port	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
		3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
			SS - Specify	SU - SU/APC
				LA - LC/APC
				LU - LC/UPC
				SS - Specify