

1870nm In Line Polarizer

1870nm 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



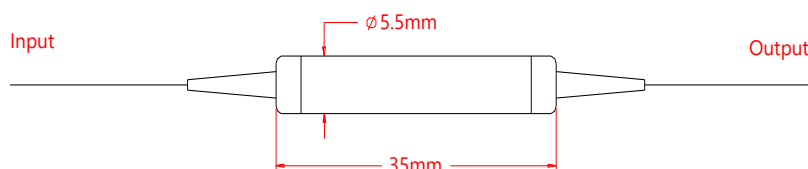
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1870	nm
Bandwidth	BW	± 10	nm
Typ. Insertion Loss	IL	0.9	dB
Max. Insertion Loss	IL	1.2	dB
Typ. Extinction Ratio	ER	25	dB
Min. Extinction Ratio	ER	23	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		PM Panda fiber, SMF-28e or SM 1950 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				
WWW	FF	J	LL	CC
Wavelength	Fiber Type (Input/Output)	Fiber Jacket	Fiber Length	Connector
1850 - 1850nm	PP - PM fiber on input and output port	B - 250um Bare Fiber	05 - 0.5m	NE - None
1860 - 1860nm	SS - SM fiber on input and output port	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1870 - 1870nm	PS - PM fiber on input port	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
1890 - 1890nm	SM fiber on output port	3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
SSSS - Specify	SP - SM fiber on input port		SS - Specify	SU - SU/APC
	PM fiber on output port			LA - LC/APC
				LU - LC/UPC
				SS - Specify