

Inline Polarizer (ILP 1064, 1310, 1550)



Description

-  The In-line Polarizer is designed to pass light with one specific polarization while blocking the other polarization. It can be used to convert unpolarized light into polarized light with high extinction ratio. It can also be used to enhance the extinction ratio of signals with its excellent polarization properties.

Features

-  High Extinction Ratio
-  Low Insertion Loss
-  High stability and reliability

Applications

-  Fiber Lasers
-  Optical Transmitters & Transceivers
-  Fiber Amplifiers
-  Fiber Sensors

Specifications

Parameters	Unit	Value	
Center Wavelength (λ_c)	nm	1310, 1550	1064
Operating wavelength range	dB	± 50	± 30
Typ. Insertion Loss at Tr*	dB	0.3	0.4
Insertion Loss at To*	dB	≤ 0.5	≤ 0.6
Typical Extinction Ratio at Tr*	dB	30	30
Extinction Ratio at Tr*	dB	≥ 26	≥ 26
Return Loss	dB	≥ 50	≥ 50
Power handling(CW)	mW	≤ 300	
Tensile Load	N	≤ 5	
Fiber Type	---	PM 1310, 1550nm Panda Fiber	PM 980 Panda Fiber
Input-output fiber option	---	Option1: PM fiber-PM fiber Option2: Single Mode fiber (SMF)-PM fiber Option3: SMF-SMF	
Operating Temperature	$^{\circ}\text{C}$	-5 to +70	
Storage Temperature	$^{\circ}\text{C}$	-40 to +85	

Remark

* Tr=Room temperature, To=Operating temperature.

* Above specifications are for device without connector.

* For devices with connectors, please refer to PM patchcord spec.

* The PM fiber and the connector key are aligned to the slow axis.(Default if customer no special request)

Ordering Information : HC-ILP-A-B-C-D-E-F

ILP	A	B	C	D	E	F
	Wavelength range	Fiber option	Package	Pigtail Type	Length	Connector
	1064=1064nm 13=1310nm 15=1550nm S= Special	1=Option1 2=Option2 3=Option3	5535=5.5x35mm	0=Bare 1=0.9mm loose tube	0=0.5m 1=1m 1.5=1.5m S=special	0=none 1=SC/PC 2=SC/APC 3=FC/PC 4=FC/APC S=Special