



In-line Polarizer (ILP Series)

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. It is ideal for high speed communication systems and test instrumentations where high polarization extinction ratio are required.



Specifications

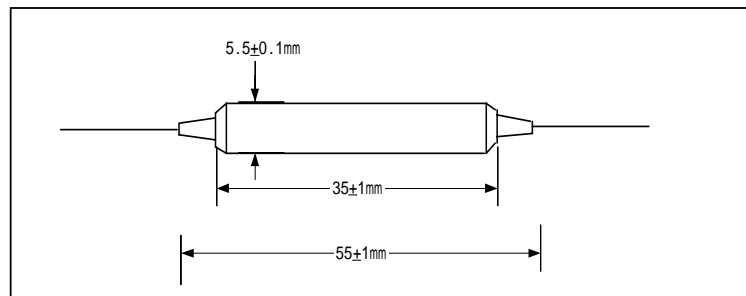
Parameters	Unit	Values
Center Wavelength	nm	1060, 1310, 1480 or 1550
Typ. Insertion Loss at 23°C	dB	0.4
Max. Insertion Loss at 23°C	dB	0.6
Typ. Extinction ratio at 23°C	dB	30
Min. Extinction ratio at 23°C	dB	25
Min. Return loss	dB	50
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

The insertion loss for lower wavelength, will be higher.

The above specification is for devices without connectors.

*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

Package Dimensions



Ordering information

ILP- - - -

: Wavelength
 06 - 1060nm
 55 - 1550nm
 48 - 1480nm
 31 - 1310nm
 SS - Specify

: PM Fibre Type
 B - 250um panda fibre
 D - 400um panda fibre
 L - 900um loose tube panda fibre
 S - Specify

: Connector Type
 1 - FC/UPC
 2 - FC/APC
 3 - SC/APC
 4 - SC/UPC
 S - Specify
 N - None

: Fiber Type(input-output)
 1 - PM-PM
 2 - SMF-PM
 : Fibre Length
 Q - 0.75 m
 S - Specify

Remark: The PM fiber and the connector key are aligned to the slow axis