

In-line Polarizer

Product Features

- High Extinction Ratio
- Low Insertion Loss
- High Return Loss

Product Applications

- Communication Systems
- Test Instrumentations
- Fiber Sensors
- Research

Specifications

Parameter	Unit	Value
Center Wavelength	nm	1310, 1480 or 1550
Operating Wavelength Range	nm	±20 or ±50
Typ. Insertion Loss at 23°C	dB	≤0.3
Max. Insertion Loss at 23°C	dB	≤0.5
Min. Return loss (input/output)	dB	≥50/50
Typ. Extinction ratio at 23°C	dB	30
Min. Extinction ratio at 23°C	dB	28
Min.PDL(Only for SMF on all ports)@23°C	dB	25
Max. Optical Power (CW)	mW	500 (Based on proper polarization alignment)
Max. Tensile Load	N	5
Fiber Type (Input-output)	-	Option1:PMF-PMF Option2:SMF-28e-PMF Option3: SMF-28e - SMF-28e
package dimensions	mm	Φ5.5*55
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

* Above specifications are for devices without connectors

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

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

Ordering Information

ILP	Wavelength	Pigtail Type	Fiber Type On Port 1 & 2	Fiber Length	Connector
1x1	1310nm 1480nm 1550nm Specify	250um bare fiber 900um loose tube	PMF—PMF SMF—PMF SMF—SMF	0.5m 1m 1.5m 2m	N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC