



In-Line Polarizer

Our product new type of fiber optic Concept in-line polarizer birefringent crystal cladding of tapered fiber .Our investigation has shown better quality (related to the polarizer quality) and lower time consumption for the crystals grown from melting with respect to the ones grown from solutions because of better optical contact crystal and fiber . The In-line fiber optic polarizer is a fiber polarization device which enables the transmission of one particular state of polarization and suppresses the transmission of the orthogonal . A fiber optical polarizer is one of the fundamental components in many fiber systems that are highly dependent on the polarization of the light guided by the optical fiber.

Features

- Low Insertion loss
- High Return loss
- High Extinction Ratio

Applications

- Laboratory
- PM Test Systems



Specifications

Parameter	Unit	values
Operating Wavelength	nm	850, 1310 or 1550
Bandwidth	nm	30 or Wider upon request
Insertion Loss at 23°C	dB	≤ 0.8
Extinction Ratio at 23°C	dB	≥ 38
Optical Power	mW	≤ 300
Return Loss	dB	≥ 50
Operating Temperature	°C	- 40 to +70
Storage Temperature	°C	- 40 to +85
Dimensions	mm	Φ5.5× L35 Ø5.50

Order Information

P/N: ILP - ①-②-③-④-⑤-⑥

①	②	③	④	⑤	⑥
Operating Wavelength	Travel Axis	Fiber Type	Fiber Diameter	Fiber Length	Connector
13 : 1310nm	F : Fast blocked	PP : PMF-PMF	2 : 250µm	1 : 0.8 m	0 : Bare Fiber
15 : 1550nm	S : Slow blocked	SP : SMF-PMF	9 : 900µm	2 : 1.0 m	FA : FC/APC
X : XX		SS : SMF-SMF	2 : 2.0mm	X : XX	SA : SC/APC
			3 : 3.0mm		LA : LC/APC

Note1: The PM fiber and the connector key are aligned slow axis.
Note2: IL , RL and ER Values specified are without connector loss.
Note3: Specifications are subject to change without notice.

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