

Mini Size In-Line Fiber Optic Polarizer

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Product Overview

Miniature in-line fiber optic polarizer for compact communication, test, sensing and research systems at 1064 nm, 1310 nm and 1550 nm.

Features	Applications
Low insertion loss; High return loss; High extinction ratio; High stability; High reliability	Communication systems; Test instruments; Fiber sensors; Research

Technical Specifications

For configuration selection and quotation, use the Component Finder at www.kernsoptic.com/contacts. Final special configurations are subject to engineering review.

Parameter	Unit	1550 nm	1310 nm	1064 nm
Operating Wavelength Range	nm	±50	±50	±30
Typical Insertion Loss @ 23°C	dB	0.3	0.3	0.4
Max. Insertion Loss @ 23°C	dB	0.5	0.5	0.6
Min. Return Loss	dB	50	50	50
Typical Extinction Ratio @ 23°C	dB	30	30	30
Min. Extinction Ratio @ 23°C	dB	28	28	28

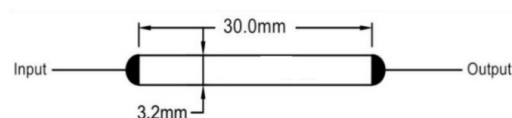
Shared Specifications

Parameter	Specification	Unit
Input / Output Fiber	SM->SM or SM->PM or PM->PM	-
Max. Optical Power (CW)	300	mW
Package Dimensions	dia. 3.0 x 30 / dia. 3.2 x 30	mm
Max. Tensile Load	5	N
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C

With connectors, IL increases by 0.3 dB, RL decreases by 5 dB and ER decreases by 2 dB. Connector key is aligned to the slow axis.

Package Dimensions

封装尺寸



Miniature package drawing from the KernsTech master catalog.