

Mini Size PM Optical Isolator

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Product Overview

Miniature polarization-maintaining isolator for communication, test, sensing and research systems where package size is constrained.

Features	Applications
Low insertion loss; High return loss; High extinction ratio; High isolation; High stability and reliability	Communication systems; Test instruments; Fiber sensing; 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.

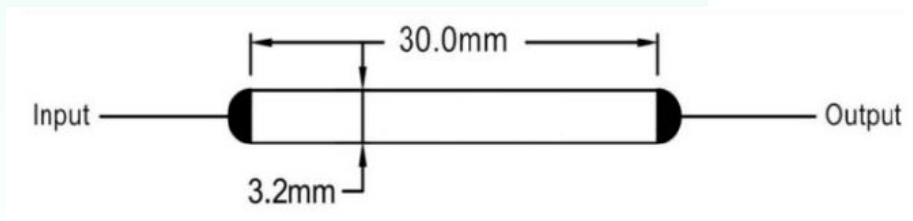
Parameter	1550 / 1310 nm	1064 nm	1030 nm
Operating Range	±20 nm	±5 nm	±5 nm
Min. Isolation @ 23°C	28 dB	28 dB	20 dB
Max. IL @ 23°C	0.55 dB	1.8 dB	3.5 dB
Min. ER - Both Axis	20 dB	20 dB	20 dB
Min. ER - Fast Axis Blocked	22 dB	22 dB	22 dB
Max. Power (CW)	500 mW	300 mW	50 mW

Shared Specifications

Parameter	Specification	Unit
Min. Return Loss (Input / Output)	50 / 50	dB
Max. Tensile Load	5	N
Fiber Type	PM Panda fiber	-
Package Dimensions	dia. 3.0 x 30 or dia. 3.2 x 30	mm
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.

Package Dimensions



Miniature mechanical package drawing from the KernsTech master catalog.