

1030nm 50mW PM Optical Circulator

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Product Overview

Three-port polarization-maintaining optical circulator for 1030 nm amplifier, fiber sensing and optical-instrument applications.

Features	Applications
Low insertion loss; High return loss; High isolation; High extinction ratio; High stability and reliability	Erbium-doped & Raman fiber amplifiers; Fiber sensors; Fiber optic instruments

Technical Specifications

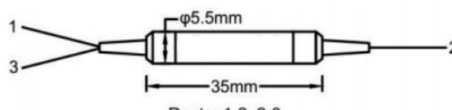
Parameter	Specification	Unit
Port Type	3-Port	-
Center Wavelength	1030	nm
Operating Wavelength Range	±5	nm
Typical Peak Isolation @ 23°C	23	dB
Min. Isolation @ 23°C	20	dB
Typical Insertion Loss @ 23°C	3.2	dB
Max. Insertion Loss @ 23°C	3.5	dB
Min. Extinction Ratio	20	dB
Minimum Crosstalk	50	dB
Min. Return Loss	50	dB
Max. Optical Power	50	mW
Max. Tensile Load	5	N
Working Axis	Slow axis working; fast axis blocked	-
Fiber Type	PM Panda fiber	-
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C
Package Dimensions	dia. 5.5 x 35	mm

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

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



Three-port routing and mechanical drawing from the KernsTech master catalog.