

532nm / 633nm In-Line Optical Isolator

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Product Overview

In-line fiber optic isolator available for 532 nm and 633 nm systems, with PM-fiber and single-mode-fiber configurations. Standard specifications below are from the KernsTech master product catalog.

Features	Applications
Low insertion loss; High return loss; High isolation; High stability and reliability	PM fiber amplifier; Test instrument; MOPA fiber laser; Fiber laser

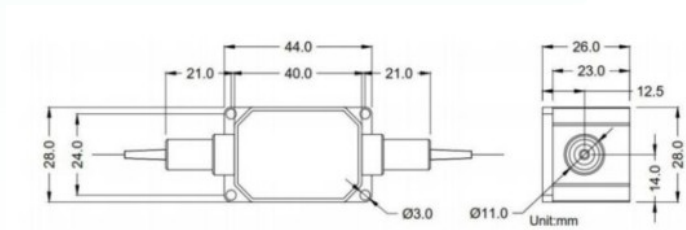
Technical Specifications

Parameter	Specification	Unit
Center Wavelength	532 / 633	nm
Operating Wavelength Range	±10	nm
Min. Isolation @ 23°C	23	dB
Typical Insertion Loss @ 23°C	1.5	dB
Max. Insertion Loss @ 23°C	1.8	dB
Min. Extinction Ratio @ 23°C (PM fiber)	18	dB
Max. Polarization Dependent Loss @ 23°C (SM fiber)	0.2	dB
Min. Return Loss (Input / Output)	45	dB
Max. Average Power	0.5 / 1 / 2	W
Max. ns Pulse Peak Power	5 / Specified	kW
Max. Tensile Load	5	N
Package Dimensions	40 x 28 x 26	mm
Operating Temperature	+10 to +50	°C
Storage Temperature	0 to +60	°C

For configuration selection and quotation, use the Component Finder at www.kernsoptic.com/contacts. Select the wavelength, optical power, fiber, connector and other requirements online before requesting a quote.

Note: With connectors, power handling is limited to 1 W; insertion loss increases by 0.3 dB, return loss decreases by 5 dB, and extinction ratio decreases by 2 dB. Connector key is aligned to the slow axis.

Package Dimensions



Mechanical drawing from the KernsTech master catalog. Standard package: 40 x 28 x 26 mm.