

980-1080nm 20W TGG Multimode Optical Isolator

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Product Overview

TGG multimode optical isolator for 980-1080 nm systems using MM-50/125, MM-62.5/125 or MM-S105/125 fiber, intended for fiber-laser, amplifier and test applications.

Features	Applications
Low insertion loss; High return loss; High isolation; High stability and reliability	Fiber amplifiers; Test instruments; MOPA fiber lasers; Fiber lasers

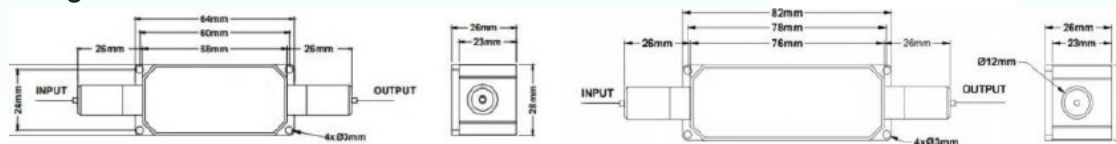
Technical Specifications

Parameter	Specification	Unit
Center Wavelength	1064, 1030, 980	nm
Operating Wavelength Range	±5	nm
Typical Peak Isolation @ 23°C	20	dB
Min. Isolation @ 23°C	18	dB
Typical Insertion Loss @ 23°C	1.3	dB
Max. Insertion Loss @ 23°C	1.5	dB
Min. Return Loss (Input / Output)	30	dB
Max. Average Power	0.5, 1, 5, 10 or specified	W
Max. ns Pulse Peak Power	10 or specified	kW
Package - MM-50/125, MM-62.5/125	58 x 28 x 26	mm
Package - MM-S105/125-22A	76 x 28 x 26	mm
Max. Tensile Load	5	N
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. Final special configurations are subject to engineering review.

Catalog consistency note: the product title identifies a 20 W series, while the performance and ordering rows list 0.5, 1, 5, 10 W or specified. Confirm a 20 W multimode configuration with KernsTech Engineering before quotation. Connectorized configurations are limited to 1 W per the catalog note.

Package Dimensions



Mechanical drawings from the KernsTech master catalog. Package depends on multimode fiber type.