

Optical Isolator for High Power Lasers

Our original magneto-optical glass is used in the optical isolator for high power lasers.
We can customize sizes, wavelengths, and apertures.

Features

Downsizing

We can accommodate requests for the smallest size appropriate for the design and have achieved the world's smallest miniaturization for high-power fiber types.

Wavelength

We can handle a wide range of services from ultraviolet to near-infrared. Wavelengths include 465nm, 532nm, 1030nm, and 1064nm.

Other options

Adding band pass filters and TAP ports
Customization of aperture sizes or fiber types
Improved isolation by connecting two units

Please contact us about other specifications.



Free-space type



Fiber type



Circulator

Specification Examples

	Fiber type	Free-space type	
		532	1030
Wavelength (nm)	1030	532	1030
Size (mm)	20×20×100	23×23×40	43×55×73
Isolation (dB)	≥ 30	≥ 30	
Insertion loss (dB)	≥ 1.3	≤ 0.2	
Fiber/Connector	SM98-PM-H90D/FC-APC	—	
Aperture (mm)	—	φ 5	
Pulsed damage threshold (J/cm ² , for 10ns pulse)	—	> 10	