

# Compact Optical Isolator

[www.opticalisolator.com](http://www.opticalisolator.com)

## Compact Single and Dual Stage Optical Isolators

Powered by CrystaLaser Made in USA

Single stage isolators provide >93% transmission with >35dB isolation and dual stage isolators provide 60dB isolation and >85% transmission  
Compact optical Isolators for UV visible IR wavelength range from 248nm to 1650nm available from CrystaLaser. Current standard aperture size is 4 mm and 3 mm. Aperture size of 2 mm, 3mm, 4mm, 5mm, 6mm, 10 mm and up to 12 mm available.

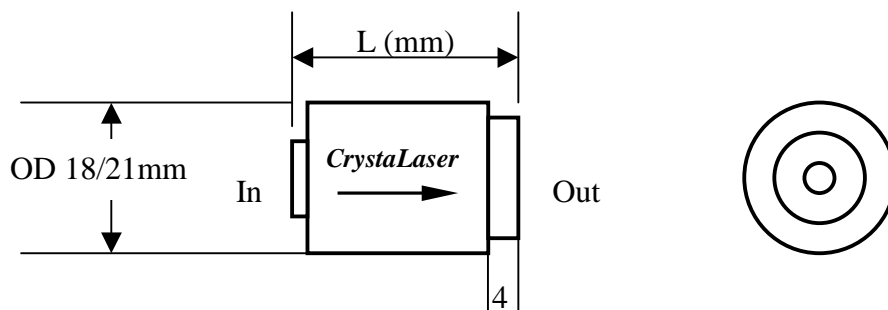
Part Number	Product Description and Specifications					
	Center wavelength	Adjustable range(T>85%Tc)	Aperture size	Isolation	Max transmission at design wavelength	Outside Diameter
I-260-03/04	260 nm	248-270nm	3 mm	>28dB	T>85%	Dia.25 mm
I-355-03/04	355 nm	345-365nm	3/4 mm	>30dB	T>91%	Dia.21 mm
I-375-03/04	375 nm	365-390nm	3/4 mm	>30dB	T>92%	Dia.21 mm
I-405-03/04	405 nm	390-415nm	3/4 mm	>33dB	T>92%	Dia.18 mm
I-405-05	405 nm	390-415nm	5 mm	>33dB	T>92%	Dia.18 mm
I-420-03/04	420 nm	410-430nm	3/4 mm	>33dB	T>90%	Dia.18 mm
I-440-03/04	440 nm	430-450nm	3/4 mm	>33dB	T>91%	Dia.18 mm
I-457-03/04	457 nm	448-465nm	3/4 mm	>33dB	T>91%	Dia.18 mm
I-473-03/04	473 nm	460-480nm	3/4 mm	>33dB	T>92%	Dia.18 mm
I-488-03	488 nm	480-500nm	3 mm	>35dB	T>92%	Dia.21 mm
I-500-03/04	500 nm	496-510nm	3/4 mm	>33dB	T>90%	Dia.18 mm
I-515-03/04	515 nm	500-525nm	3/4 mm	>33dB	T>92%	Dia.18 mm
I-532-03/04	532 nm	520-555nm	3/4 mm	>33dB	T>92%	Dia.18 mm
I-561-03/04	561 nm	545-580nm	3/4 mm	>33dB	T>92%	Dia.18 mm
I-593-03/04	593 nm	580-615nm	3/4 mm	>33dB	T>92%	Dia.18 mm
I-633-03/04	633 nm	610-650nm	3/4 mm	>33dB	T>93%	Dia.18 mm
I-660-03	660 nm	645-675nm	3 mm	>33dB	T>93%	Dia.18 mm
I-685-03/04	685 nm	670-700nm	3/4 mm	>33dB	T>93%	Dia.21 mm
I-725-03/04	725 nm	700-750nm	3/4 mm	>33dB	T>91%	Dia.21 mm
I-785-03/04	785 nm	750-800nm	3/4 mm	>33dB	T>93%	Dia.21 mm
I-808-03/04	808 nm	795-820nm	3/4 mm	>33dB	T>93%	Dia.21 mm
I-830-03/04	830 nm	800-860nm	3/4 mm	>33dB	T>93%	Dia.21 mm
I-860-03/04	860 nm	830-900nm	3/4 mm	>33dB	T>90%	Dia.21 mm
I-910-03/04	910 nm	880-940nm	3/4 mm	>33dB	T>90%	Dia.21 mm
I-946-03/04	946 nm	920-970nm	3/4 mm	>33dB	T>90%	Dia.21 mm
I-980-03/04	980 nm	950-1010nm	3/4 mm	>33dB	T>90%	Dia.21 mm
I-1030-03/04	1030 nm	1000-1064nm	3/4 mm	>33dB	T>90%	Dia.21 mm
I-1064-03/04	1064 nm	1030-1100nm	3/4 mm	>35dB	T>93%	Dia.21 mm
I-1064-035	1064 nm	1053-1100nm	3.5 mm	>38dB	T>80%	Dia.10 mm
I-1122-03/04	1122 nm	1100-1180nm	3/4 mm	>33dB	T>90%	Dia.21 mm
I-1320-035	1320 nm	1300-1360nm	3.5 mm	>38dB	T>94%	Dia.10 mm
I-1550-035	1550 nm	1500-1600nm	3.5 mm	>38dB	T>94%	Dia.10 mm
Dual stage optical isolators from 355-1550nm available						
I-D405-03/04	405 nm	395-410 nm	3/4 mm	>60dB	T>84%	Dia.18 mm
I-D473-03/04	473 nm	460-479 nm	3/4 mm	>60dB	T>84%	Dia.18 mm
I-D532-03/04	532 nm	520-545 nm	3/4 mm	>60dB	T>82%	Dia.18 mm
I-D633-03/04	633 nm	610-650nm	3/4 mm	>60dB	T>85%	Dia.21 mm
I-D785-03/04	785 nm	750-800nm	3/4 mm	>60dB	T>85%	Dia.21 mm
Broad band optical isolators						
I-B645-03/04	645 nm	600-700 nm	3/4 mm	>29dB	T>90%	Dia.18 mm
I-B785-03/04	785 nm	720-890 nm	3/4 mm	>29dB	T>90%	Dia.21 mm
I-B900-03/04	900 nm	800-1070 nm	3/4 mm	>29dB	T>90%	Dia.21 mm



# Dimensions of Compact Optical Isolators

**Outside Diameter** 18mm or 21mm.

**Optical Aperture Diameter** 3 to 4 mm



Isolator Wavelength	Single stage isolator Dimensions (mm)	Dual stage isolator Dimensions (mm)
390 - 480 nm	OD 18 x L 20-26	OD 18 x L 30-45
496 - 770 nm	OD 18 x L 22-37	OD 18 x L 36-50
488 +/- 8 nm	OD 21 x L 45	OD 21 x L 75
349 - 390 nm	OD 21 x L 25-35	OD 21 x L 50-60
700 - 1100 nm	OD 21 x L 30-50	OD 21 x L 50-85

## Isolator Holder OD18mm and OD21mm

