

Free Space Optical Isolator

◆ Product introduction

CSRayzer's free-space optical isolator is made of magneto-optical crystal with high Wilder constant and magnet with high magnetic field strength. It is a device that only allows one-way light to pass and prevents reverse light from entering the front-end optical system. It has the characteristics of high isolation, low loss and high power resistance. According to the needs of users, we can provide a variety of wavelength isolators, such as 405nm, 532nm, 633nm, 780nm, 800nm, 852nm, 980nm, 1064nm, etc., and the aperture of light can be provided as required, such as 1mm, 2mm, 3mm, 5mm, etc.



◆ Parameter index

Model	Operating Wavelength	Clear Aperture	Peak Isolation	Transmission Rate	Peak Power	Damage Threshold
ISO-405-3-2W	405nm	3mm	30dB	≥90%	2W	10J/cm ²
ISO-460-3-2W	460nm	3mm	30dB	≥90%	2W	10J/cm ²
ISO-532-3-5W	532nm	3mm	30dB	≥92%	5W	10J/cm ²
ISO-633-3-5W	633nm	3mm	30dB	≥90%	5W	10J/cm ²
ISO-720-3-5W	720nm	3mm	30dB	≥92%	5W	10J/cm ²
ISO-780-3-5W	780nm	3mm	30dB	≥92%	5W	10J/cm ²
ISO-795-3-5W	795nm	3mm	30dB	≥92%	5W	10J/cm ²
ISO-808-3-5W	808nm	3mm	30dB	≥92%	5W	10J/cm ²
ISO-852-3-5W	852nm	3mm	30dB	≥92%	5W	10J/cm ²
ISO-920-3-5W	920nm	3mm	30dB	≥92%	5W	10J/cm ²
ISO-1030-3-10W	1030nm	3mm	30dB	≥92%	10W	10J/cm ²
ISO-1030-3-20W	1064nm	3mm	30dB	≥92%	20W	10J/cm ²