

Introduction

CSRayzer's **High Power Free Space Isolator(HIO)** series product, which also named **Faraday Isolator**, is used for avoiding deleterious effects of back reflections in laser. These Isolator has the high damage threshold and high transmission and high isolation in customized 780-1100nm wavelength range. It is ideal for ultra-fast fiber laser, solid-state laser, multi-level laser amplifier, Optical parametric oscillator Ring laser, Erbium-doped fiber amplifier, or seed injecting laser and etc.



Specification

| Parameters | Unit | Values |
|----------------------------|-------------------|-----------------------------------|
| Center Wavelength | nm | 780/808/850/920/1030/1064 |
| Operating Wavelength Range | nm | ±20 |
| Clear Aperture | mm | 1.2/2.5/3/5/6/7/10/12/15/20/25/45 |
| Extinction | dB | ≥30 |
| Isolation | dB | ≥30 |
| Transmission | % | ≥98% |
| Handing Power | W | 5/10/20/50/100/Specify |
| Damage threshold | J/cm ² | 10@10ns |
| Working Temperature | °C | 0 to 60 |
| Storage Temperature | °C | -20 to 70 |

Ordering Information

HIO-①-②-③

| ① Clear Aperture | ② Central Wavelength | ③ Handing Power |
|------------------|----------------------|-----------------|
| 2.5-2.5mm | 780-780nm | HP-High Power |
| 3-3mm | 920-920nm | LP-Lower Power |
| 5-5mm | 1064-1064nm | |
| S-Specify | S-Specify | |