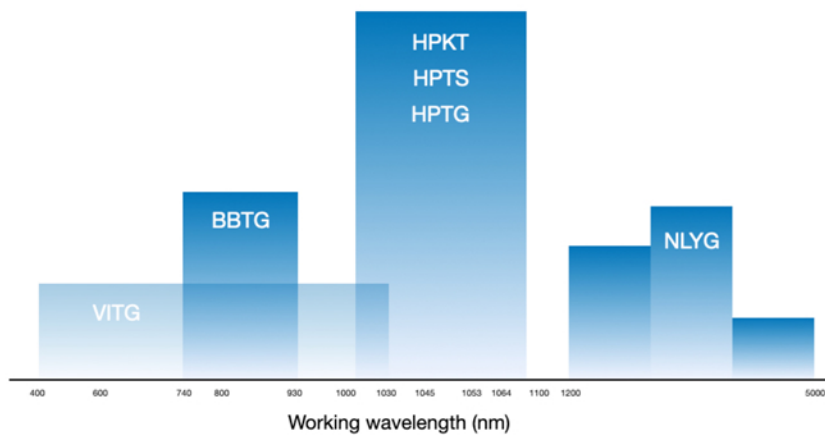


IPOptica is always focusing on the future, to further develop technology and better satisfy broad applications, and always a better solution for most special demands of free space Rotators and Isolators by adjustable, broadband, and super large aperture available for most wavelength, at the same time with high performance and reliable. IPOptica's Faraday Devices have been designed to cover full wavelengths from 400 to 5000nm, while other wavelengths are available upon request.

IPOptica respect talents and their years experience from aesthetic combined engineering design, theoretical data simulations, precision machining, and quality control, and have been specifically designed to satisfy the demands of high power damage threshold, low absorption, low insertion loss and high isolation.

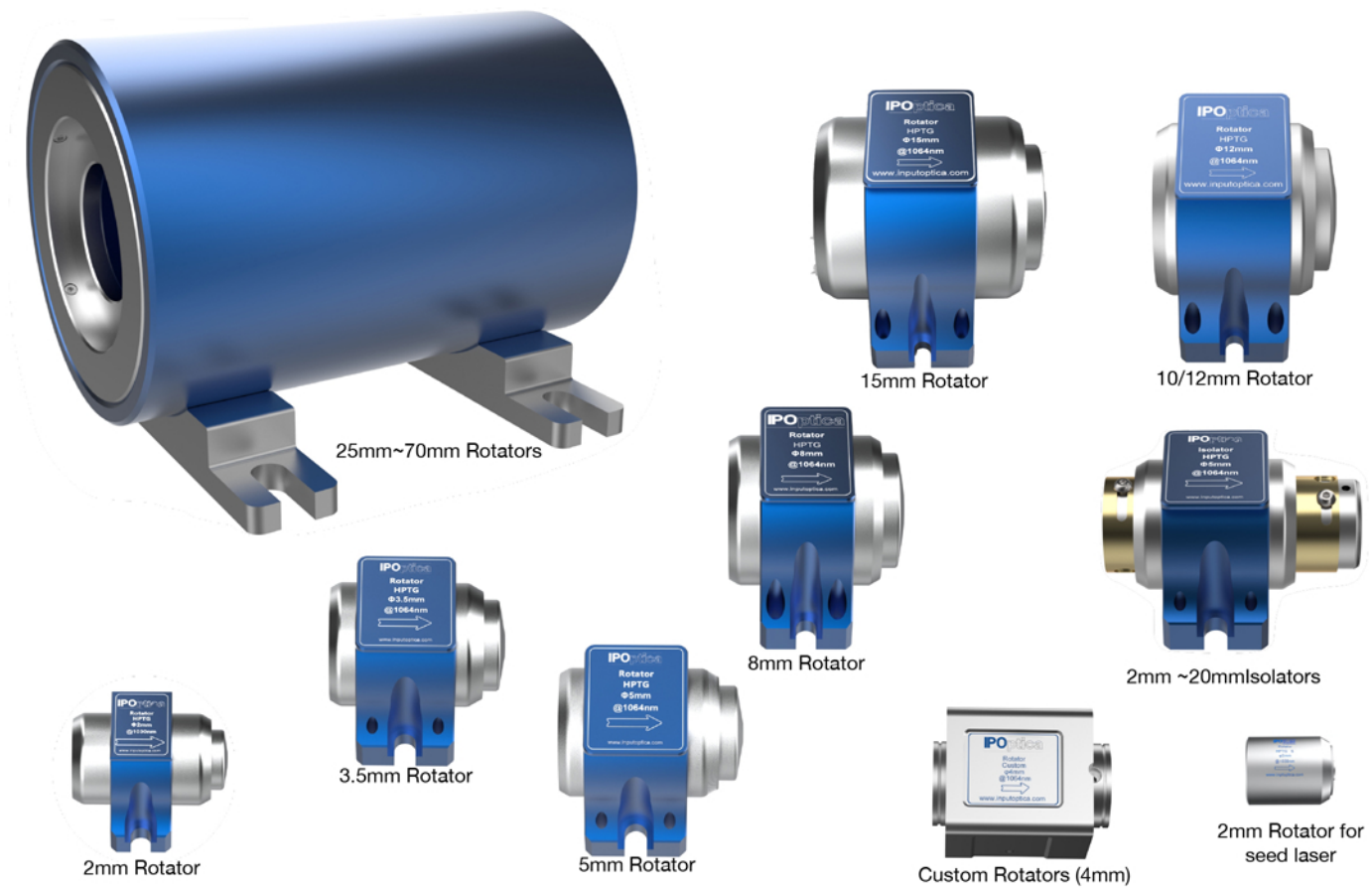


FEATURES

- High damage threshold and low insertion loss for high power application
- Low thermal lensing effect and thermal depolarization phenomena
- Orthogonal or Brewster isolated beams available upon request
- Tunable input polarization state
- Large aperture up to 70mm for 1000nm range
- Reliable quality and integrated design satisfy hostile operating environments

APPLICATIONS

- Protection of Pulsed and CW lasers against optical feedback
- Protection of seed sources by elimination of frequency instability
- Isolate ASE generated by amplifiers



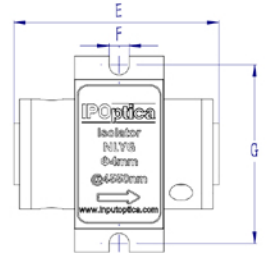
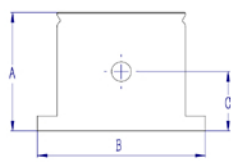
NLYG series products have been designed to satisfy various demands from 1200nm to 5000nm as QCLs, Ho and Tm Oscillators, etc. and always better performance, reliable, exquisite, and elegant.

The high quality of NLYG series Faraday devices rely on our talents' years experience from aesthetic combined engineering design, theoretical data simulations, precision machining, and quality control. Therefore, the broadband and high transmission NLYG products are always better satisfy various applications.

SPECIFICATIONS

MODEL	NLYG					
Working Wavelength	1310nm	1390nm	1550nm	1950nm (1900~2000nm)	2050nm (2000~2100nm)	4550nm (4500~4600nm)
Clear Aperture D	4mm					
Rotation (Peak)	45° ± 0.5°					
Damage Threshold	1J/cm ² @ 10ns			5J/cm ² @ 10ns		2.5W
Transmission Rate @22°C, %	>93% (Rotator) >92% (Isolator)			>95% (Rotator) >92% (Isolator)		>70% (Rotator)
Storage Temp Range	-10°C ~60°C					
Tunable Temp Range	20°C ± 10°C / On request					
Peak Isolation (Isolator)	>30dB					

DIMENSIONS



	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)
1200 ~ 5000nm	Ø4	24	34	12	15.5	35.6	30.0