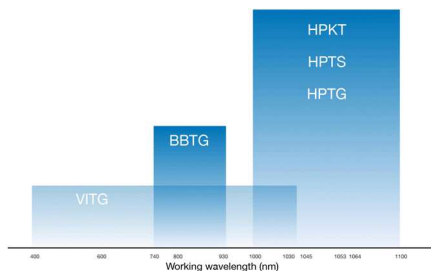


IPOptica is always focusing on the future, to further develop technology and better satisfy broad applications, and always a better solution for most special demands of free space Rotators and Isolators by adjustable, broadband, and super large aperture available for most wavelength, at the same time with high performance and reliable. IPOptica's Faraday Devices have been designed to cover full wavelengths from 400 to 1100nm, 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



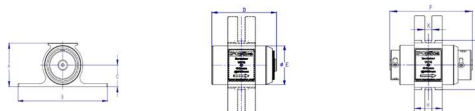
VITG series products have been designed to cover broad demands of wavelength from 400nm to 980nm, and always better performance, reliable, exquisite, and elegant.

The high quality of VITG 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, high transmission, and high power VITG products are always better satisfy various applications.

SPECIFICATIONS

| MODEL | VITG | | | | | | | | | | |
|----------------------|---------------------------------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Working Wavelength | 405nm (±10nm) | 532nm (0~+10nm) | 561nm (±10nm) | 638nm (±10nm) | 670nm (±10nm) | 730nm (±10nm) | 785nm (±10nm) | 800nm (±10nm) | 850nm (±10nm) | 920nm (±10nm) | 980nm (±10nm) |
| Clear Aperture D | 2 ~ 4mm | | | | | | | 2mm | | | |
| Rotation (Peak) | 45° ± 0.5° | | | | | | | | | | |
| Damage Threshold | 3J/cm² @ 10ns | | | | | | | | | | |
| Transmission Rate, % | >98% (Rotator); >90% (Isolator) | | | | | | | | | | |
| Storage Temp Range | -10°C ~ 60°C | | | | | | | | | | |
| Tunable Temp Range | 20°C ± 10°C / On request | | | | | | | | | | |
| Peak Isolation | >30dB (Isolator) | | | | | | | | | | |
| Beam Pointing | <5 mrad | | | | | | | | | | |

DIMENSIONS



| | | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | F(mm) | G(mm) | H(mm) | K(mm) |
|-----------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 405nm (±10nm) | Ø4 | 27.15 | 60 | 13.5 | 20 | 24.4 | 31.8 | 30 | 13 | 3.5 |
| 532nm (0~+10nm) | Ø4 | 27.15 | 60 | 13.5 | 20 | 24.4 | 31.8 | 30 | 13 | 3.5 |
| 561nm (±10nm) | Ø4 | 27.15 | 60 | 13.5 | 20 | 24.4 | 31.8 | 30 | 13 | 3.5 |
| 638nm (±10nm) | Ø4 | 27.15 | 60 | 13.5 | 20 | 24.4 | 31.8 | 30 | 13 | 3.5 |
| 670nm (±10nm) | Ø4 | 27.15 | 60 | 13.5 | 20 | 24.4 | 31.8 | 30 | 13 | 3.5 |
| 730nm (±10nm) | Ø4 | 27.15 | 60 | 13.5 | 20 | 24.4 | 31.8 | 30 | 13 | 3.5 |
| 785nm (±10nm) | Ø4 | 27.15 | 60 | 13.5 | 20 | 24.4 | 31.8 | 30 | 13 | 3.5 |
| 800nm (±10nm) | Ø2 | 27.15 | 60 | 13.5 | 31.5 | 24.4 | 42.8 | 30 | 13 | 3.5 |
| 920nm (±10nm) | Ø2 | 27.15 | 60 | 13.5 | 31.5 | 24.4 | 42.8 | 30 | 13 | 3.5 |
| 980nm (±10nm) | Ø2 | 27.15 | 60 | 13.5 | 31.5 | 24.4 | 42.8 | 30 | 13 | 3.5 |