



Electro-Optics Technology, Inc.

# Innovative High Quality Laser Solutions

## 4 mm PAVOS+ Faraday Rotators & Isolators 1010 nm to 1080 nm

NEW!



Designed to meet the demanding performance required from today's solid state lasers, the new 4 mm PAVOS+ is ideal for preventing feedback and back reflections.

The new 4 mm PAVOS+ isolator builds on the existing line of PAVOS isolators adding flexibility and performance at a competitive price.

### Improved Performance

- Minimum isolation increases from 30 dB to 33 dB with typical isolation exceeding 37 dB
- Improved thermal lens due to shorter rotator material<sup>a</sup>
- 2° tipped parallelogram PBS cubes for improved back reflection protection and perpendicular rejected beams

### Reduced Size

- Less than 60 mm length is available

## FEATURES

- Completely passive; no tuning required
- Stable performance to 80 W
- Optically contacted PBS cubes for improved damage threshold
- Input polarization adjustability

## OPTIONS

- Optional waveplate on the output
- Precision mounting available
- Precision rejected beam pointing available
- Customization requests encouraged

## APPLICATIONS

- Elimination of ASE in amplified systems, including CPA, MOPA, and regeneratively amplified mode-locked lasers
- Protecting lasers from back reflection caused by illuminating highly reflective materials
- Preventing frequency instability in seed lasers and other single frequency lasers



Electro-Optics Technology, Inc.

# Innovative High Quality Laser Solutions

## SPECIFICATIONS

	PAVOS+ Rotators	PAVOS+ Isolators <sup>b</sup>
Clear Aperture	4 mm	4 mm
Peak Transmission	≥98% <sup>c</sup>	≥95% <sup>c</sup>
Peak Isolation	N/A	≥33 dB <sup>c</sup>
Peak Extinction	≥33 dB <sup>c</sup>	N/A
Peak Rotation	45° ± 2.0°	45° ± 1.5°
Damage Threshold <sup>c</sup>	10 J/cm <sup>2</sup> at 10 ns 1 J/cm <sup>2</sup> at 8 ps 1 MW/cm <sup>2</sup> CW	10 J/cm <sup>2</sup> at 10 ns 1 J/cm <sup>2</sup> at 8 ps 1 MW/cm <sup>2</sup> CW
Storage Temperature Range	-20 °C to 60 °C	-20 °C to 60 °C
Factory Tunable Temperature Range	10 °C to 28 °C <sup>d</sup>	10 °C to 28 °C <sup>d</sup>

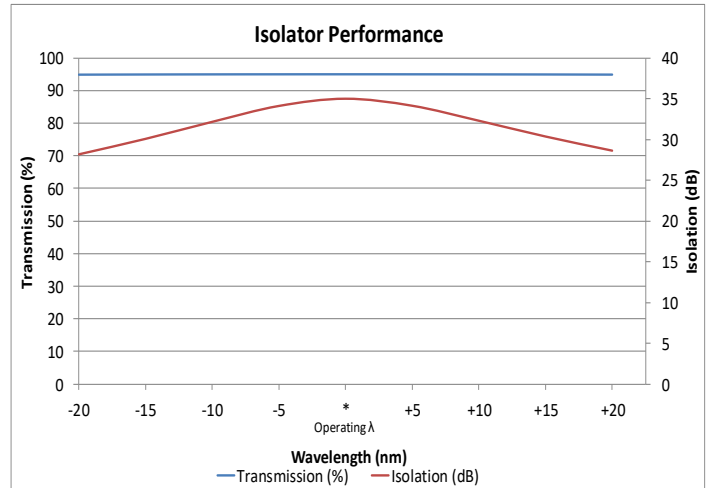
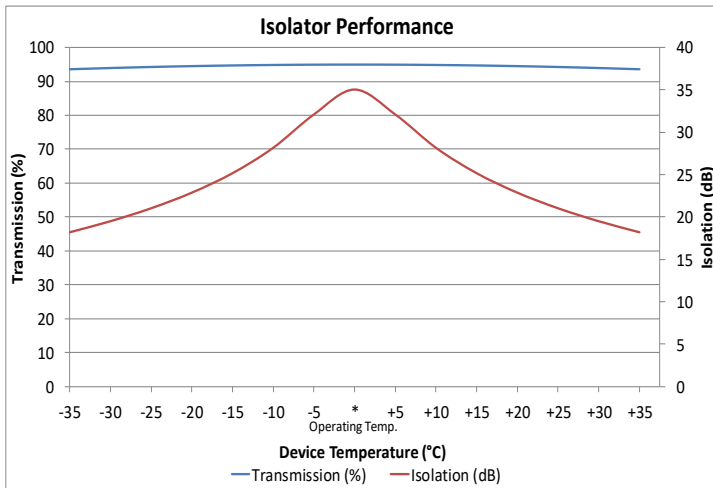
Product specifications are subject to change. All products are RoHS compliant.

<sup>a</sup> See technical bulletin, *Advantages of the PAVOS Product Line*

<sup>b</sup> Escape ports should be used if rejected light is >1 W or 0.15 J/cm<sup>2</sup> at 10 ns or forward light is >25 W. All stray beams should be properly terminated.

<sup>c</sup> At customer-specified wavelength and temperature

<sup>d</sup> Tunable Temperature Range applies to wavelengths 1010 nm to 1064 nm. >1064 nm is 22 °C.



For questions or quotations please email or call our sales representatives at SALES@EOTECH.COM or +1.231.935.4044.