



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
- 2° tipped parallelogram PBS cubes for improved back reflection protection and perpendicular rejected beams

Reduced Size

- Less than 60 mm length is available

Customizable

Choose from the following accessories:

- Waveplate
- Polarizer and escape port covers

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
- Polarizer covers and escape port covers available
- 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



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SPECIFICATIONS

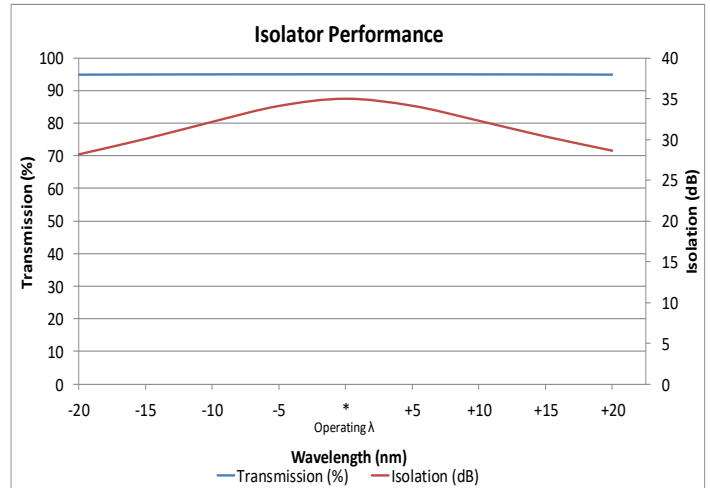
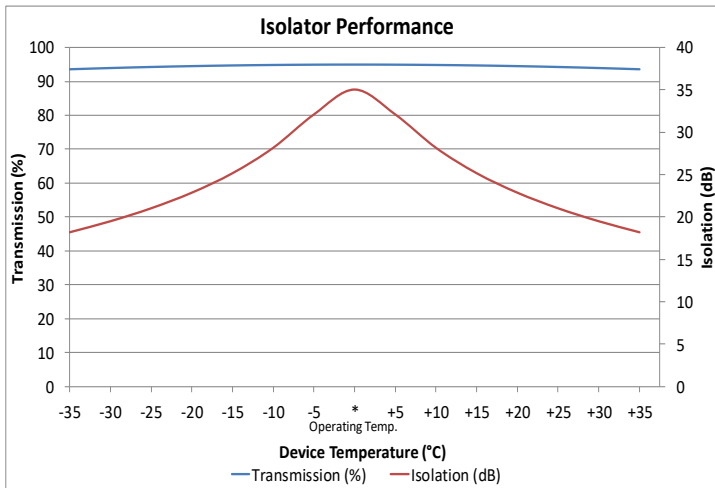
	PAVOS+ Rotators	PAVOS+ Isolators ^a
Clear Aperture	4 mm	4 mm
Peak Transmission	≥98% ^b	≥95% ^b
Peak Isolation	N/A	≥33 dB ^b
Peak Extinction	≥33 dB ^b	N/A
Peak Rotation	45° ± 2.0°	45° ± 1.5°
Damage Threshold ^b	10 J/cm ² at 10 ns 1 J/cm ² at 8 ps 1 MW/cm ² CW	10 J/cm ² at 10 ns 1 J/cm ² at 8 ps 1 MW/cm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

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

^a Escape ports should be used if rejected light is >1 W or 0.15 J/cm² at 10 ns or forward light is >25 W. All stray beams should be properly terminated.

^b At customer-specified wavelength and temperature

^c 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.