



# Ultra Low Outgassing Isolators with 3 mm Aperture, XLO Series

We introduce our new LINOS® Ultra-Low Outgassing Faraday Isolator, designed to extend laser system lifetimes by minimizing photo-contamination. Engineered with a patented, glue-free design, this isolator offers 2X lower outgassing than our LO versions and 50X lower outgassing than Excelitas' standard Faraday isolators.

Ideal for high-power laser applications, industrial solid-state systems (especially ultrashort pulsed or UV), semiconductor manufacturing, space applications, and high-vacuum environments, Ultra-Low Outgassing Faraday Isolator ensures unmatched system cleanliness and reliability. By eliminating adhesive components, it drastically reduces the risk of contaminants and particles that can degrade optical performance over time.

## Features

- Emitting 50-times less volatile organic compounds (VOC) than our conventionally produced isolators
- Patented glue-free design minimizes contamination risks for extended system longevity
- Isolation >33 dB, transmission  $\geq$  95% at design wavelength
- Optically contacted polarizers for high damage threshold and long-lasting quality
- Rare earth magnet
- Access to blocked beam
- Mounting via mounting bracket

## Custom Options

- Custom wavelengths and specifications on request

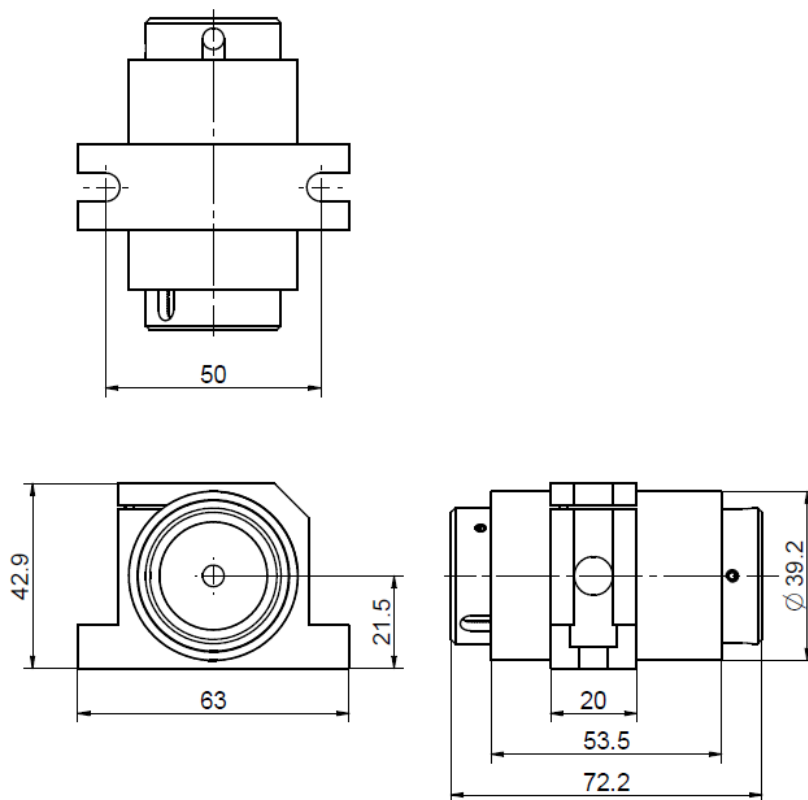


## Low outgassing Isolators with 3 mm Aperture, XLO Series

Product	Isolation, guaranteed / typical (dB)	Transmission at design wavelength (%)	Transmission at boundary wavelength (%)	Tuning range typical (nm)	Aperture Ø (mm)	Dimensions (mm)	Damage threshold @ 1.2 ps pulses (J/cm <sup>2</sup> )	Damage threshold @ 8 ns pulses (J/cm <sup>2</sup> )	Part No.
FI-1030-3SC XLO	> 33/38-42	≥ 95	≥ 90	1025-1064	2.9	63x42.9x72.2	0.6 @ 1030 nm	8.2 @ 1030 nm	845110100277
FI-1060-3SC XLO	> 33/38-42	≥ 95	≥ 90	1030-1090	2.9	63x42.9x72.2	0.6 @ 1060 nm	8.5 @ 1060 nm	845110100289

Preliminary specifications, subject to technical changes

## Dimensions



**For technical information contact:**

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