



Innovative High Quality Laser Solutions

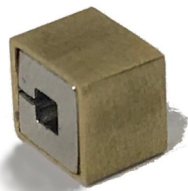
Electro-Optics Technology, Inc.

TORNOS Micro

Optical Isolators

785 nm

NEW!



EOT's TORNOS Micro optical isolator is designed to be integrated inside a standard butterfly package diode laser for wide-ranging applications where optical feedback adversely affects performance. Our isolators provide high transmission in the forward direction while strongly attenuating light traveling in the reverse direction, protecting lasers from the destructive effects of back reflections.

The TORNOS Micro is unmatched in size and performance in the visible and near-IR wave ranges. With a package size of only 5 mm x 5 mm, this isolator is ideal for butterfly packages, TO cans, or any application in which space is at a premium. Placing the isolator inside the butterfly package allows the beam to pass through the isolator in free space before being coupled into fiber. This provides all the benefits of an optical isolator without suffering from losses due to splicing and recoupling the fiber. The TORNOS Micro is currently available for wavelengths between 633 nm and 785 nm.

The selection of Faraday material coupled with optically contacted polarizing beam splitter cubes results in much higher transmission compared to other isolators available in a similar size. The industry-leading high transmission allows for a new wave of applications to be developed where previously the absorptive losses prohibited functional, large-scale deployment.

Some common applications for the TORNOS Micro are the elimination of frequency instability in single frequency lasers, the prevention of mode-hopping in external cavity diode lasers, the elimination of parasitic oscillations due to ASE in amplified laser systems, cold atom research, atomic clocks, and laser cooling and tweezing applications to name a few.

FEATURES

- High transmission
- Small footprint (5 mm cube)
- Easily fits inside standard butterfly package

OPTIONS

- Optional waveplate for manipulation of polarization
- Shunting of external magnetic fields

APPLICATIONS

- Raman Spectroscopy
- DNA Sequencing
- Imaging
- Environmental Sensing
- Mapping
- Microscopy
- 3D Metrology
- Amplified Systems
- Cold Atom Research
- Atomic Clocks



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SPECIFICATIONS

Clear Aperture	Standard Wave-length	Spectral Range	Isolation	Transmission	Power Handling
1 mm	785 nm	775 nm to 795 nm	>30 dB	>90%	300 mW

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

