

TORNOS Broadband

Optical Isolators
520 nm to 885 nm

The Coherent TORNOS Broadband optical isolators are designed for use across a broad spectral range where optical feedback can adversely affect laser performance. These products provide passive broadband isolation across the entire spectral range of the isolator.

The three models of the TORNOS Broadband cover from 520 nm to 885 nm. The Broadband features ports for access to the rejected beam and a standard mounting clamp making this product ideal for laboratory and R&D use. The broadband technology is optimized for isolation and allows for completely passive use across any wavelength in the spectral range of the device. This product maintains industry-leading transmission at the center wavelength.

Some common applications for the TORNOS Broadband are Ti:Sapphire laser systems, R&D and laboratory use where multiple wavelengths are of interest, and OEM systems that use the rejected beam such as regenerative amplifiers.

Features

- Passive broadband performance
- All isolators contain rejected beam escape ports
- Mounting clamp
- 90° to 0° polarization
- Standard waveplate for manipulation of polarization

Options

- Customization available

Applications

- R&D and Laboratory use
- Ti:Sapphire Lasers
- Regenerative Amplifiers
- Multiple wavelength interrogation



SPECIFICATIONS

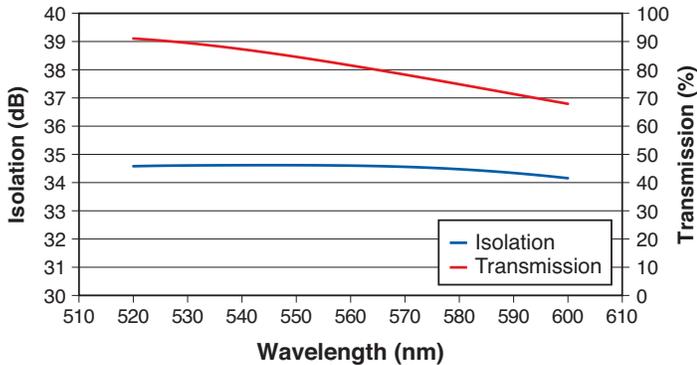
TORNOS Broadband Optical Isolators

Clear Aperture (mm)	Center Wavelength (nm)	Spectral Range (nm)	Isolation ¹ (dB)	Transmission at Center Wavelength ² (%W)
4	532	520 to 595	>32	≥90
4	650	595 to 730	>32	≥87
4	785	730 to 885	>32	≥92

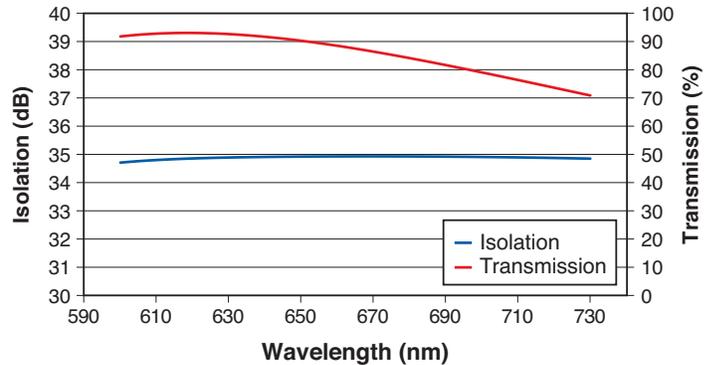
1 At cross spectral range at 22 °C.

2 At center wavelength at 22 °C.

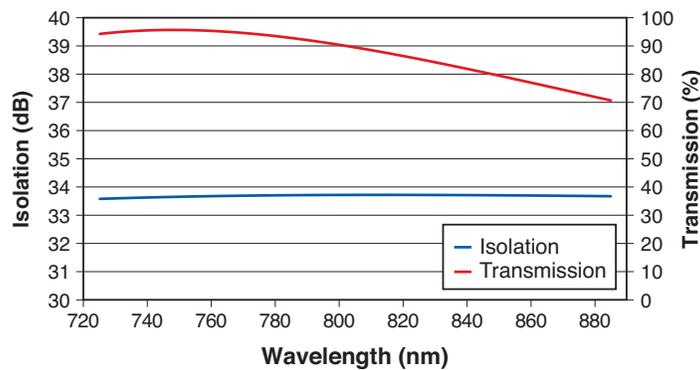
TORNOS Broadband 532 nm Performance



TORNOS Broadband 650 nm Performance



TORNOS Broadband 785 nm Performance



Coherent, Inc.,
 5100 Patrick Henry Drive Santa Clara, CA 95054
 p. (800) 527-3786 | (408) 764-4983
 f. (408) 764-4646

tech.sales@coherent.com www.coherent.com

Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice. All products are RoHS compliant.

Coherent offers a limited warranty for all TORNOS Broadband Optical Isolators. For full details of this warranty coverage, please refer to the Service section at www.coherent.com or contact your local Sales or Service Representative. Copyright ©10/21 Coherent, Inc.