

# Broadband Optical Isolators

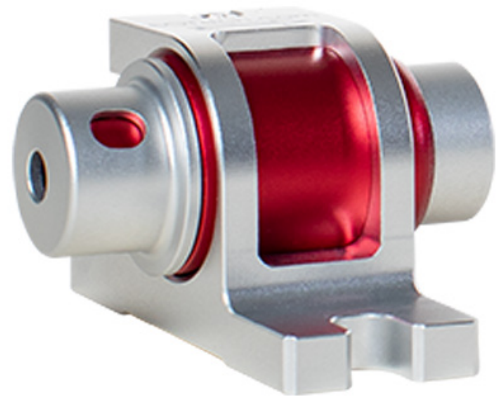


## 520 nm to 885 nm

Newport's Broadband optical isolators are designed for use across a broad spectral range where optical feedback can adversely affect laser performance. The Broadband provides passive broadband isolation across the entire spectral range of the isolator.

The three models of the 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 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.



### Applications

- RSD and Laboratory use
- Ti:Sapphire Lasers
- Regenerative Amplifiers
- Multiple wavelength interrogation

### Product Features

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

## Specifications

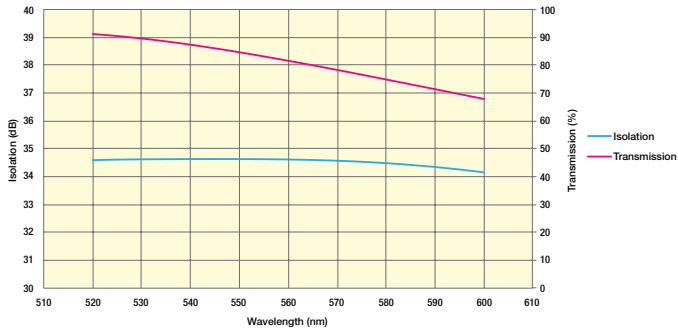
Clear Aperture	Center Wavelength	Spectral Range	Isolation <sup>a</sup>	Transmission at Center Wavelength <sup>b</sup>
4 mm	532 nm	520 nm to 595 nm	>32 dB	≥ 90%
4 mm	650 nm	595 nm to 730 nm	>32 dB	≥ 90%
4 mm	785 nm	730 nm to 885 nm	>32 dB	≥ 90%

Product specifications are subject to change.

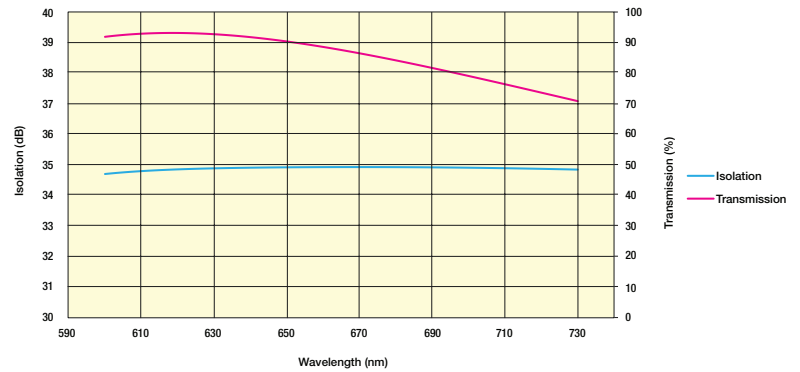
<sup>a</sup> At cross spectral range at 22 °C

<sup>b</sup> At center wavelength of 22 °C

ISO-04-532-BB-W Typical Broadband Performance



ISO-04-650-BB-W Typical Broadband Performance



ISO-04-785-BB-W Typical Broadband Performance

