

**TECHSPEC® 632.8nm, 12.5mm Diameter, OD 4.0 Notch Filter**

TECHSPEC OD 4.0 Notch Filters

Stock #**67-111** **8 In Stock** [Additional Bandwidths](#)   **A\$512<sup>.00</sup>****ADD TO CART**

Volume Pricing	
Qty 1-5	A\$512.00 each
Qty 6-25	A\$435.20 each
Qty 26-49	A\$404.80 each
Need More?	<a href="#">Request Quote</a>

## Product Downloads

**SPECIFICATIONS****General**

Type:

Notch Filter

## Physical & Mechanical Properties

12.50 +0.00/-0.10	<b>Diameter (mm):</b>
10.6	<b>Clear Aperture CA (mm):</b>
5.00 ±0.1	<b>Thickness (mm):</b>
Mounted in Black Anodized Ring	<b>Construction:</b>
	<b>Physical Durability:</b>
Adhesion per MIL-PRF-13830B, Section C.4.5.12	
Moderate abrasion per MIL-PRF-13830B, Section C.4.5.11	
Cleaning per MIL-C-48497A Section 4.5.4.2	
3.5 ±0.5	<b>Substrate Thickness (mm):</b>

## Optical Properties

≥4.0	<b>Optical Density OD (Average):</b>
632.80	<b>Center Wavelength CWL (nm):</b>
632.8	<b>Design Wavelength DWL (nm):</b>
31.60	<b>Full Width-Half Max FWHM (nm):</b>
Hard Coated	<b>Coating:</b>
60-40	<b>Surface Quality:</b>
90	<b>Transmission (%):</b>
475 - 845	<b>Transmission Wavelength (nm):</b>
99	<b>Reflection at CWL (%):</b>
<1λ	<b>Transmitted Wavefront, RMS:</b>

## Threading & Mounting

5.0	<b>Mount Thickness (mm):</b>
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## Environmental & Durability Factors

Environmental Durability:
Humidity per MIL-STD-810H, Section 507.6
Temperature per MIL-STD-810H, Section 501.7 and 502.7

## Regulatory Compliance

Compliant	<b>RoHS 2015:</b>
View	<b>Certificate of Conformance:</b>
Compliant	<b>Reach 247:</b>

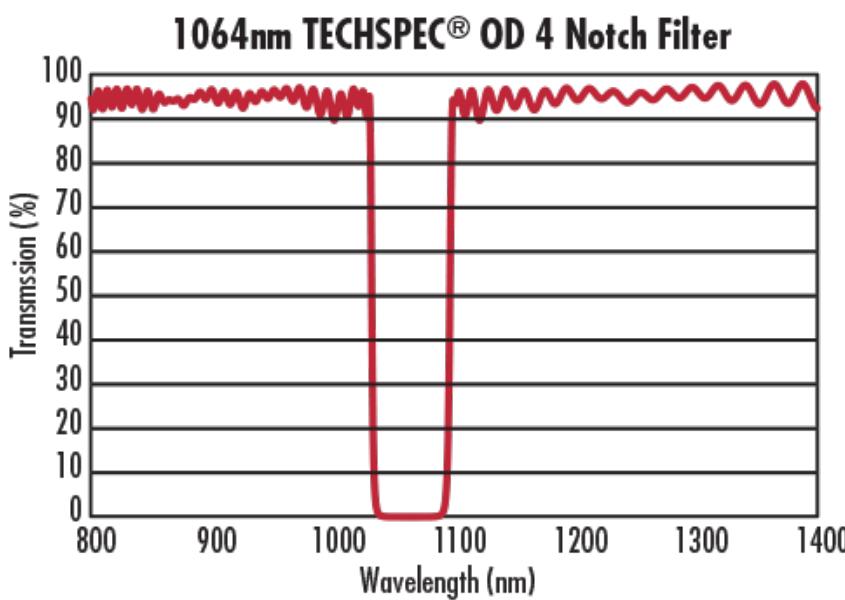
## PRODUCT DETAILS

- >OD 4.0 Rejection of Laser Wavelength from 355nm to 1064nm
- Broad Transmission Range
- OD 6.0 Notch Filters Also Available**
- Low Cost Alternative to Rugate Notch Filters

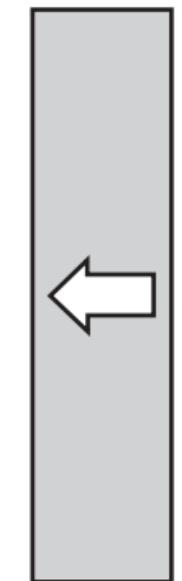
TECHSPEC® OD 4.0 Notch Filters are low-cost alternatives to Rugate Notch Filters. The filters feature narrow rejection bands of just ±2.5% of the center wavelength while offering greater than 99% reflection of the laser wavelength. These optical filters have a broad transmission range and are hard coated to guarantee performance that will not degrade with time, temperature, or humidity. TECHSPEC® OD 4.0 Notch Filters are mounted in a black anodized ring engraved to ease filter handling, identification, and orientation. **OD 6.0 Notch Filters** are also available for purchase.

**Note:** These filters are optimized for high spectral performance rather than high Laser Induced Damage Thresholds (LIDT). A typical LIDT for these filters is 1 J/cm<sup>2</sup> @ 532nm, 10ns. Please [contact us](#) if you require a filter with a higher LIDT value.

## TECHNICAL INFORMATION



*This graph is an example of a standard notch filter transmission curve. For specific wavelength data, please refer to the curve PDF attached to each respective part.*



*All mounted TECHSPEC® Optical Filters have an arrow on the side of the mount that points to the filter-coated surface for quick reference. Filter oriented such that arrow points to filter coated surface S1. Anti-reflective (AR) coating is applied to S2.*

## CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## COMPATIBLE MOUNTS