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

TECHSPEC OD 4.0 Notch Filters

Stock **#67-111** **5 In Stock**

Additional Bandwidths

- 1 + C$448.00

ADD TO CART

Volume Pricing	
Qty 1-5	**C$448.00** each
Qty 6-25	**C$380.80** each
Qty 26-49	**C$354.20** each
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Product Downloads

General

Type:

Notch Filter

Physical & Mechanical Properties

Diameter (mm):

12.50 +0.00/-0.10

Clear Aperture CA (mm):

10.6

Thickness (mm):
5.00 ±0.1

Construction:
Mounted in Black Anodized Ring

Physical Durability:
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

Substrate Thickness (mm):
3.5 ±0.5

Optical Properties

Optical Density OD (Average):
≥4.0

Center Wavelength CWL (nm):
632.80

Design Wavelength DWL (nm):
632.8

Full Width-Half Max FWHM (nm):
31.60

Coating:
Hard Coated

Surface Quality:
60-40

Transmission (%):
90

Transmission Wavelength (nm):
475 - 845

Reflection at CWL (%):
99

Transmitted Wavefront, RMS:
<1λ

Threading & Mounting

Mount Thickness (mm):
5.0

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

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

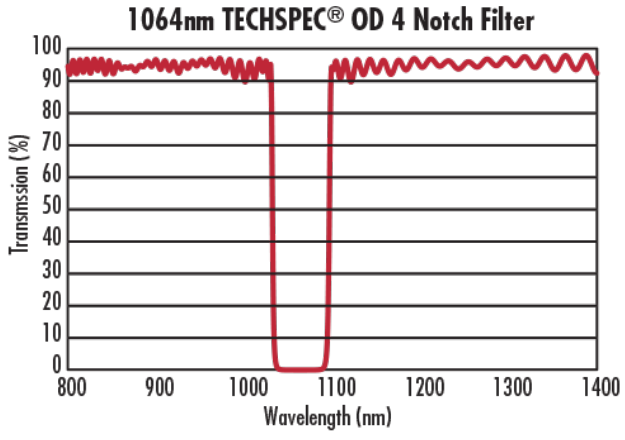
Product Details

- >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

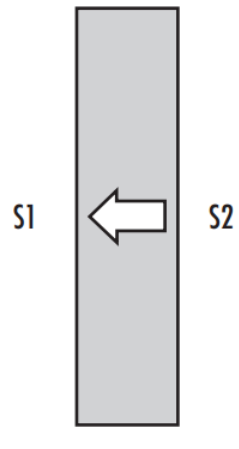
TECHSPEC® OD 4.0 Notch Filters are low-cost alternatives to Rugate Notch Filters. The filters feature narrow rejection bands of just ±2.5% of the center wavelength while offering greater than 99% reflection of the laser wavelength. These optical filters have a broad transmission range and are hard coated 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^2 @ 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

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