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TECHSPEC®

1064nm, 50mm Diameter, OD 4.0 Notch Filter



TECHSPEC OD 4.0 Notch Filters

Stock **#67-132** **3 In Stock**

☐ [Additional Bandwidths](#)

-

1

+

C\$1,414⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	C\$1,414.00 each
Qty 6-25	C\$1,202.60 each
Qty 26-49	C\$1,118.60 each
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Product Downloads

General

Type:

Notch Filter

Physical & Mechanical Properties

Diameter (mm):

50.00 +0.00/-0.10

Clear Aperture CA (mm):

42.5	
	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-48497ASection 4.5.4.2	
	Substrate Thickness (mm):
3.5 ±0.5	

Optical Properties	
	Optical Density OD (Average):
≥4.0	
	Center Wavelength CWL (nm):
1,064.00	
	Design Wavelength DWL (nm):
1064	
	Full Width-Half Max FWHM (nm):
53.20	
	Coating:
Hard Coated	
	Surface Quality:
60-40	
	Transmission (%):
90	
	Transmission Wavelength (nm):
800 - 1400	
	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	

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](#).

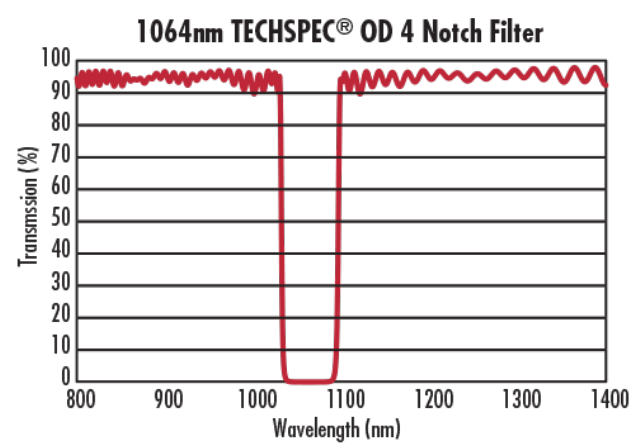
Product Details

- >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

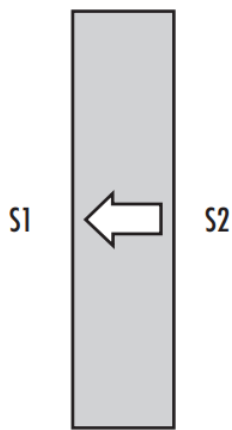
TECHSPEC® OD 4.0 Notch Filters are low-cost alternatives to Rugate Notch Filters. The filters feature narrow rejection bands of just ±2.5% of the center wavelength while offering greater than 99% reflection of the laser wavelength. These optical filters have a broad transmission range and are hard coated 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/cm² @ 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.

Compatible Mounts