

TECHSPEC[®] 785nm, 12.5mm Diameter, OD 4.0 Notch Filter



TECHSPEC OD 4.0 Notch Filters

Stock **#67-112** **20+ In Stock**

[Additional Bandwidths](#)

-

1

+

€320⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€320,00 each
Qty 6-25	€272,00 each
Qty 26-49	€253,00 each
Need More?	Request Quote

i Prices shown are exclusive of VAT/local taxes

Product Downloads

General	
Notch Filter	Type:
Physical & Mechanical Properties	
12.50 +0.00/-0.10	Diameter (mm):

10.6	Clear Aperture CA (mm):
5.00 ±0.1	Thickness (mm):
Mounted in Black Anodized Ring	Construction:
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 ML-C-48497A Section 4.5.4.2	
3.5 ±0.5	Substrate Thickness (mm):

Optical Properties	
≥4.0	Optical Density OD (Average):
785.00	Center Wavelength CWL (nm):
785	Design Wavelength DWL (nm):
39.20	Full Width-Half Max FWHM (nm):
Hard Coated	Coating:
60-40	Surface Quality:
90	Transmission (%):
585 - 1045	Transmission Wavelength (nm):
99	Reflection at CWL (%):
<1λ	Transmitted Wavefront, RMS:

Threading & Mounting	
5.0	Mount Thickness (mm):

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

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

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](#).

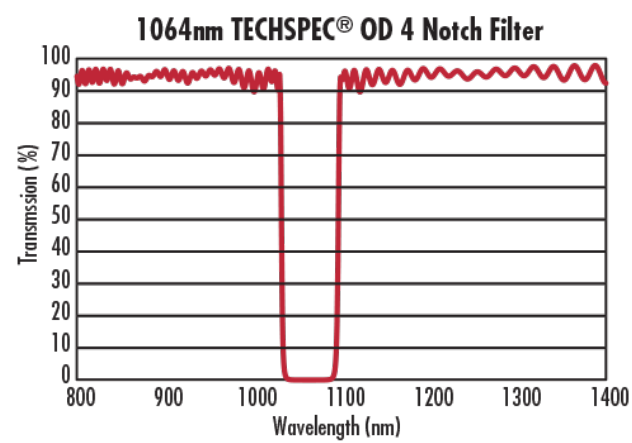
Product Details

- >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

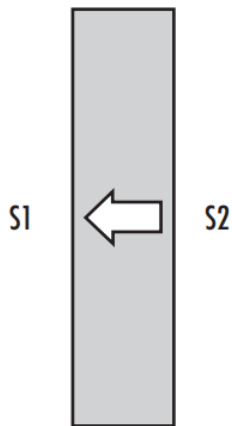
TECHSPEC® OD 4.0 Notch Filters are low-cost alternatives to Rugate Notch Filters. The filters feature narrow rejection bands of just ±2.5% of the center wavelength while offering greater than 99% reflection of the laser wavelength. These optical filters have a broad transmission range and are hard coated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