See all 34 Products in Family

TECHSPEC® 532nm, 12.5mm Diameter, OD 4.0 Notch Filter

TECHSPEC OD 4.0 Notch Filters

Stock **#67-110** **6 In Stock**

Additional Bandwidths

- 1 + **MRP ₹32,285**

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	**₹32,285** each
Qty 6-25	**₹27,442** each
Qty 26-49	**₹25,526** each
Need More?	Request Quote

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):
532.00

Design Wavelength DWL (nm):
532

Full Width-Half Max FWHM (nm):
26.60

Coating:
Hard Coated

Surface Quality:
60-40

Transmission (%):
90

Transmission Wavelength (nm):
400 - 700

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

Country of Origin:
United States

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Product Details

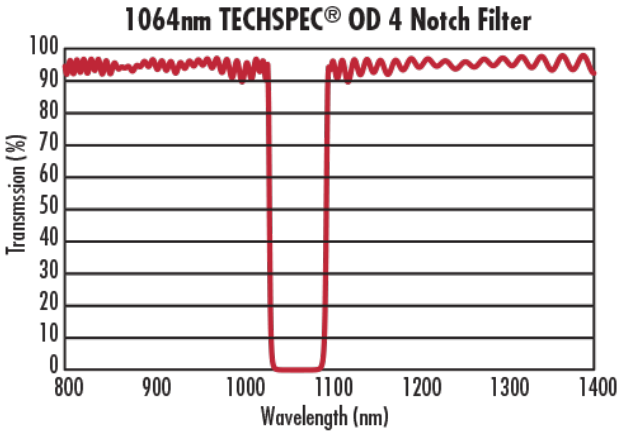
- >OD 4.0 Rejection of Laser Wavelength from 355nm to 1064nm

- Broad Transmission Range
- **OD 6.0 Notch Filters Also Available**
- Low Cost Alternative to Rugate Notch Filters

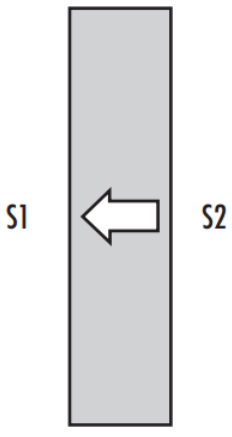
TECHSPEC® OD 4.0 Notch Filters are low-cost alternatives to Rugate Notch Filters. The filters feature narrow rejection bands of just ±2.5% of the center wavelength while offering greater than 99% reflection of the laser wavelength. These optical filters have a broad transmission range and are hard coated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

Compatible Mounts

;