

[See all 35 Products in Family](#)

TECHSPEC<sup>®</sup> 1064nm, 50mm Diameter, OD 4.0 Notch Filter



TECHSPEC OD 4.0 Notch Filters

Stock **#67-132** **2 In Stock**

[Additional Bandwidths](#)

-

1

+

₹73,179

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹73,179 each                  |
| Qty 6-25       | ₹56,986 each                  |
| Qty 26-49      | ₹53,172 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

|       |              |
|-------|--------------|
| Type: | Notch Filter |
|-------|--------------|

Physical & Mechanical Properties

|                         |                   |
|-------------------------|-------------------|
| Diameter (mm):          | 50.00 +0.00/-0.10 |
| Clear Aperture CA (mm): |                   |

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

Optical Properties

|             |                                |
|-------------|--------------------------------|
| ≥4.0        | Optical Density OD (Average):  |
|             |                                |
| 1,064.00    | Center Wavelength CWL (nm):    |
|             |                                |
| 1064        | Design Wavelength DWL (nm):    |
|             |                                |
| 53.20       | Full Width-Half Max FWHM (nm): |
|             |                                |
| Hard Coated | Coating:                       |
|             |                                |
| 60-40       | Surface Quality:               |
|             |                                |
| 90          | Transmission (%):              |
|             |                                |
| 800 - 1400  | 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 MIL-STD-810H, Section 507.6              |                           |
| Temperature per MIL-STD-810H, Section 501.7 and 502.7 |                           |

Regulatory Compliance

|                                     |                             |
|-------------------------------------|-----------------------------|
| Compliant                           | RoHS 2015:                  |
|                                     |                             |
| View                                | Certificate of Conformance: |
|                                     |                             |
| Compliant                           | Reach 247:                  |
|                                     |                             |
| United States                       | Country of Origin:          |
|                                     |                             |
| Edmund Optics India Private Limited | Imported By:                |

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

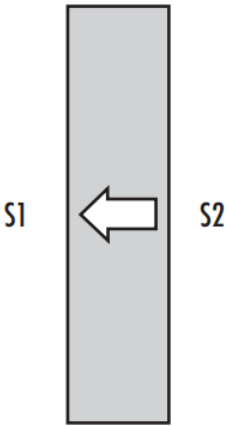
TECHSPEC® OD 4.0 Notch Filters are low-cost alternatives to Rugate Notch Filters. The filters feature narrow rejection bands of just ±2.5% of the center wavelength while offering greater than 99% reflection of the laser wavelength. These optical filters have a broad transmission range and are hard coated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