

TECHSPEC<sup>®</sup> 1000nm 25mm Dia., High Performance Longpass Filter



High Performance OD 4.0 Longpass Filters

Stock **#66-239** 20+ In Stock

-

1

+

₹21,409

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹21,409 each                  |
| Qty 6-25       | ₹18,450 each                  |
| Qty 26-49      | ₹15,804 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                                        |                |
|------------------------------------------------|----------------|
| Longpass Filter                                | Type:          |
| Arrow on part indicates filter coated surface. | Note:          |
| Physical & Mechanical Properties               |                |
| 25.00 +0.0/-0.2                                | Diameter (mm): |

|                                                                                                                                                                                  |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 3.00 ±0.1                                                                                                                                                                        | Thickness (mm):     |
| >80                                                                                                                                                                              | Clear Aperture (%): |
| <b>Physical Durability:</b><br>Adhesion per ML-PRF-13830B, Section C.4.5.12<br>Moderate abrasion per ML-PRF-13830B, Section C.4.5.11<br>Cleaning per ML-C-48497A Section 4.5.4.2 |                     |

Optical Properties

|                                                              |                                     |
|--------------------------------------------------------------|-------------------------------------|
| 0                                                            | Angle of Incidence (°):             |
| ≥4.0                                                         | Optical Density OD (Average):       |
| 1,000.00                                                     | Cut-On Wavelength (nm):             |
| <a href="#">Fused Silica</a> (Corning 7980)                  | Substrate: <input type="checkbox"/> |
| Hard Coated                                                  | Coating:                            |
| 200 - 980                                                    | Rejection Wavelength (nm):          |
| 60-40                                                        | Surface Quality:                    |
| ≥91                                                          | Transmission (%):                   |
| 1020 - 1650                                                  | Transmission Wavelength (nm):       |
| ≤λ/4 @ 633nm (prior to coating)                              | Transmitted Wavefront, RMS:         |
| ±1                                                           | Cut-On Tolerance (%):               |
| <1                                                           | Slope Factor (%):                   |
| Surface 1: Hard Dielectric Sputtered<br>Surface 2: AR Coated | Coating Specification:              |
| 200 - 1650                                                   | Wavelength Range (nm):              |

Environmental & Durability Factors

|                                                                                                 |                           |
|-------------------------------------------------------------------------------------------------|---------------------------|
| Humidity per ML-STD-810H, Section 507.6<br>Temperature per ML-STD-810H, Section 501.7 and 502.7 | Environmental Durability: |
|-------------------------------------------------------------------------------------------------|---------------------------|

Regulatory Compliance

|                                     |                             |
|-------------------------------------|-----------------------------|
| <a href="#">Compliant</a>           | RoHS 2015:                  |
| <a href="#">View</a>                | Certificate of Conformance: |
| <a href="#">Compliant</a>           | Reach 247:                  |
| United States                       | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

Product Details

- Cut-On Slope <1%
- Rejection OD ≥ 4.0
- ≥91% Transmission in Pass Band
- Variety of [OD 4.0 Longpass Filter Kits](#) Available

TECHSPEC® High Performance OD 4.0 Longpass Filters feature high transmission in the pass band combined with superior blocking in the rejection band. Due to a rejection band optical density of 4.0 combined with >91% in the pass band, these filters are ideal for a wide variety of applications. TECHSPEC® High Performance OD 4.0 Longpass Filters are hard coated, with a hard dielectric sputtered as the first surface and AR coating as the second. Eliminate stray light by creating custom bandpass filters when combined with [TECHSPEC® High Performance Shortpass Filters](#).

**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.

[TECHSPEC® Rotating Filter Wheel](#) can be used for applications requiring a variety of filters.

Technical Information



## 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