

**TECHSPEC® 1000nm 12.5mm Dia., High Performance Longpass Filter**



High Performance OD 4.0 Longpass Filters

Stock **#66-231** [CONTACT US](#)

⊖ 1 ⊕ ₹16,193

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹16,193 each                  |
| Qty 6-25       | ₹13,779 each                  |
| Qty 26-49      | ₹11,911 each                  |
| Need More?     | <a href="#">Request Quote</a> |

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**General**

Longpass Filter **Type:**  
  
Arrow on part indicates filter coated surface. **Note:**

**Physical & Mechanical Properties**

12.50 +0.0/-0.2 **Diameter (mm):**

|  |  |
|--|--|
| 2.00 ±0.1  | <b>Thickness (mm):</b>                     |
| >80  | <b>Clear Aperture (%):</b>                 |
| <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 |  |
| <b>Optical Properties</b>  |  |
| 0  | <b>Angle of Incidence (°):</b>             |
| ≥4.0   | <b>Optical Density OD (Average):</b>       |
| 1,000.00   | <b>Cut-On Wavelength (nm):</b>             |
| <a href="#">Fused Silica</a> (Coming 7980)   | <b>Substrate:</b> <input type="checkbox"/> |
| Hard Coated  | <b>Coating:</b>                            |
| 200 - 980  | <b>Rejection Wavelength (nm):</b>          |
| 60-40  | <b>Surface Quality:</b>                    |
| ≥91  | <b>Transmission (%):</b>                   |
| 1020 - 1650  | <b>Transmission Wavelength (nm):</b>       |
| ≤λ/4 @ 633nm (prior to coating)  | <b>Transmitted Wavefront, RMS:</b>         |
| ±1   | <b>Cut-On Tolerance (%):</b>               |
| <1   | <b>Slope Factor (%):</b>                   |
| <b>Coating Specification:</b><br>Surface 1: Hard Dielectric Sputtered<br>Surface 2: AR Coated  |  |
| 200 - 1650   | <b>Wavelength Range (nm):</b>              |

## Environmental & Durability Factors

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

## Regulatory Compliance

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

## Product Details

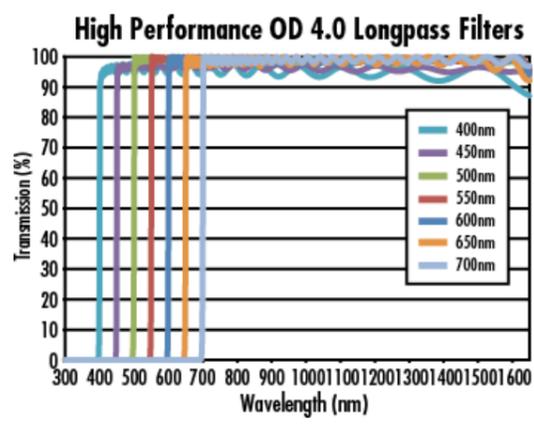
- Cut-On Slope <1%
- Rejection OD ≥ 4.0
- ≥91% Transmission in Pass Band
- Variety of [OD 4.0 Longpass Filter Kits](#) Available

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