

**TECHSPEC® 850nm 25mm Dia., High Performance Longpass Filter**



High Performance OD 4.0 Longpass Filters

Stock #66-236 **11 In Stock**

⊖ 1 ⊕ €272<sup>95</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€272,95 each
Qty 6-25	€233,81 each
Qty 26-49	€200,85 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**SPECIFICATIONS**

**General**

Longpass Filter      **Type:**

**Note:**

Arrow on part indicates filter coated surface.

**Physical & Mechanical Properties**

25.00 +0.0/-0.2      **Diameter (mm):**

3.00 ±0.1      **Thickness (mm):**

>80      **Clear Aperture (%):**

**Physical Durability:**  
Adhesion per ML-PRF-13830B, Section C.4.5.12  
Moderate abrasion per ML-PRF-13830B, Section C.4.5.11  
Cleaning per ML-C-48497A Section 4.5.4.2

**Optical Properties**

0      **Angle of Incidence (°):**

≥4.0      **Optical Density OD (Average):**

850.00      **Cut-On Wavelength (nm):**

**Fused Silica** (Corning 7980)      **Substrate:**

Hard Coated      **Coating:**

200 - 835      **Rejection Wavelength (nm):**

60-40      **Surface Quality:**

≥91      **Transmission (%):**

865 - 1650      **Transmission Wavelength (nm):**

≤λ/4 @ 633nm (prior to coating)      **Transmitted Wavefront, RMS:**

±1      **Cut-On Tolerance (%):**

<1      **Slope Factor (%):**

**Coating Specification:**  
Surface 1: Hard Dielectric Sputtered  
Surface 2: AR Coated

200 - 1650      **Wavelength Range (nm):**

**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:**

**PRODUCT DETAILS**

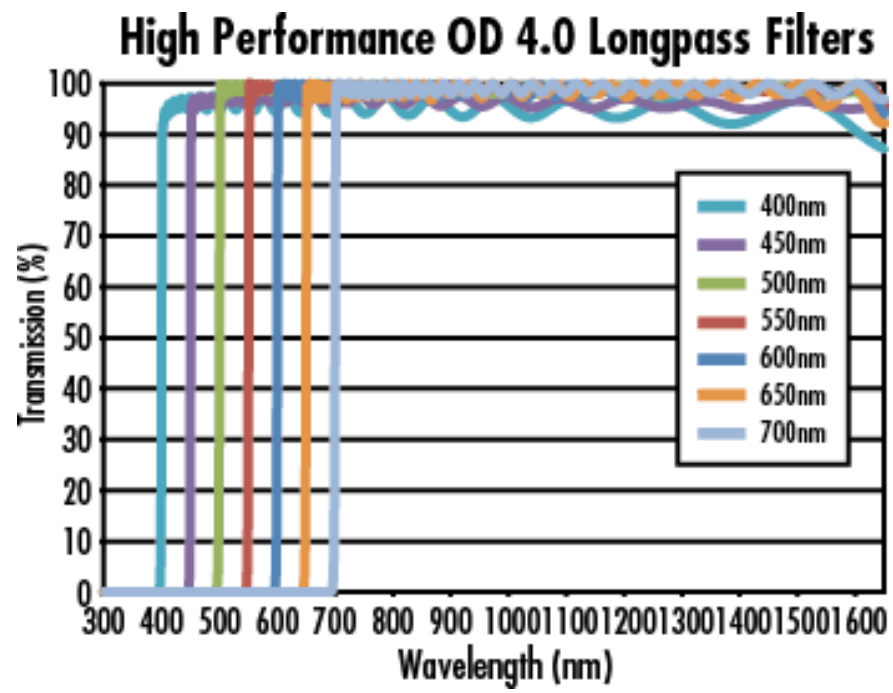
- Cut-On Slope <1%
- Rejection OD ≥ 4.0
- ≥91% Transmission in Pass Band
- Variety of [OD 4.0 Longpass Filter Kits](#) Available

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