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TECHSPEC® 550nm 12.5mm Diameter, OD 2.0 Longpass Filter



OD 2.0 Longpass Filters

Stock **#49-027** **20+ In Stock**

⊖ 1 ⊕ **\$\$137⁰⁰**

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Volume Pricing	
Qty 1-5	\$\$137.20 each
Qty 6-25	\$\$116.20 each
Qty 26-49	\$\$109.20 each
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General

Longpass Filter **Type:**

Physical & Mechanical Properties

12.50 +0.00/-0.20 **Diameter (mm):**

1.50 ±0.1 **Thickness (mm):**

80 Clear Aperture (%):

Optical Properties

0 Angle of Incidence (°):

≥2.0 Optical Density OD (Average):

550.00 Cut-On Wavelength (nm):

Fused Silica (Coming 7980) Substrate:

Traditional Coated Coating:

415 - 515 Rejection Wavelength (nm):

40-20 Surface Quality:

>85 Transmission (%):

575 - 2000 Transmission Wavelength (nm):

λ/4 Transmitted Wavefront, P-V:

±2 Cut-On Tolerance (%):

3.00 Slope Factor (%):

Surface 1: Multi-Layer Dielectric
Surface 2: MgF₂ Coating Specification:

415 - 2000 Wavelength Range (nm):

Regulatory Compliance

Compliant RoHS 2015:

Compliant Reach 219:

View Certificate of Conformance:

Need different specs or modifications?

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](#).

Product Details

- Sharp Cut-On Wavelength
- High Rejection/Transmission Efficiency
- Precision Fused Silica Substrate
- Variety of [OD 2.0 Longpass Filter Kits](#) are Available

TECHSPEC® OD 2.0 Longpass Filters are designed to have a sharp transition from reflection to transmission, making them ideal for various applications. Available in a variety of cut-on wavelengths, these filters are designed for fluorescence and order sorting applications. These filters feature precision fused silica substrate and high rejection/transmission efficiency. TECHSPEC® OD 2.0 Longpass Filters have a single-layer AR coating on the back surface that enhances the overall efficiency of each filter. Eliminate stray light by creating custom bandpass filters when combined with [TECHSPEC® OD 2.0 Shortpass Filters](#). A single layer AR coating on the back surface enhances the overall efficiency of each filter.

Note: Due to supply chain issues, our kits may be delivered with an alternative packaging solution in place of a wooden box. For any questions, please contact kits@edmundoptics.com.

Technical Information



Compatible Mounts