

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



OD 2.0 Longpass Filters

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

-

1

+

A\$156⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	A\$156.80 each
Qty 6-25	A\$132.80 each
Qty 26-49	A\$124.80 each
Need More?	Request Quote

Product Downloads

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 (Corning 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: MgF ₂	Coating Specification:
415 - 2000	Wavelength Range (nm):
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 219:
View	Certificate of Conformance:

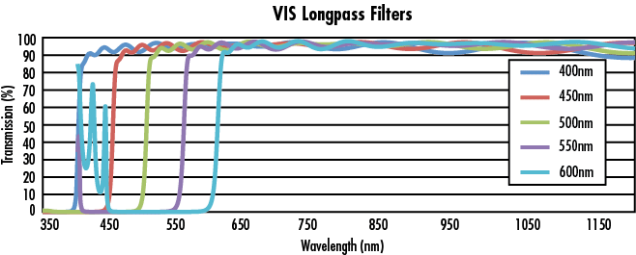
Product Details

- 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



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
