

TECHSPEC<sup>®</sup> 450nm 12.5mm Diameter, OD 2.0 Longpass Filter



OD 2.0 Longpass Filters

Stock **#49-025** 20+ In Stock

-

1

+

C\$137<sup>20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$137.20 each                |
| Qty 6-25       | C\$116.20 each                |
| Qty 26-49      | C\$109.20 each                |
| Need More?     | <a href="#">Request Quote</a> |

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):   |
| 450.00                                                           | Cut-On Wavelength (nm):         |
| Fused Silica (Corning 7980)                                      | Substrate: <input type="text"/> |
| Traditional Coated                                               | Coating:                        |
| 200 - 430                                                        | Rejection Wavelength (nm):      |
| 40-20                                                            | Surface Quality:                |
| >85                                                              | Transmission (%):               |
| 470 - 2000                                                       | Transmission Wavelength (nm):   |
| λ/4                                                              | Transmitted Wavefront, P-V:     |
| ±2                                                               | Cut-On Tolerance (%):           |
| 3.00                                                             | Slope Factor (%):               |
| Surface 1: Multi-Layer Dielectric<br>Surface 2: MgF <sub>2</sub> | Coating Specification:          |
| 200 - 2000                                                       | Wavelength Range (nm):          |
| Regulatory Compliance                                            |                                 |
| Compliant                                                        | RoHS 2015:                      |
| Compliant                                                        | Reach 224:                      |
| View                                                             | Certificate of Conformance:     |

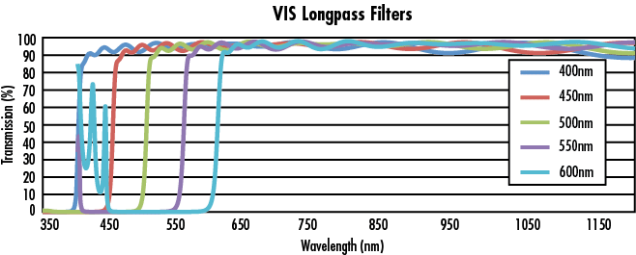
## Product Details

- 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](mailto: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