

TECHSPEC<sup>®</sup> 450nm 50mm Diameter, OD 2.0 Longpass Filter



OD 2.0 Longpass Filters

Stock #64-698 20+ In Stock

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1

+

€240<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €240,00 each                  |
| Qty 6-25       | €204,00 each                  |
| Qty 26-49      | €192,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Longpass Filter

Physical & Mechanical Properties

Diameter (mm):

50.00 +0.00/-0.20

Thickness (mm):

|                                                                  |                                 |
|------------------------------------------------------------------|---------------------------------|
| 5.00 ±0.1                                                        |                                 |
| 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 (%):               |
| Coating Specification:                                           |                                 |
| Surface 1: Multi-Layer Dielectric<br>Surface 2: MgF <sub>2</sub> |                                 |
| 200 - 2000                                                       | Wavelength Range (nm):          |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| Compliant             | Reach 224:                  |
| View                  | Certificate of Conformance: |

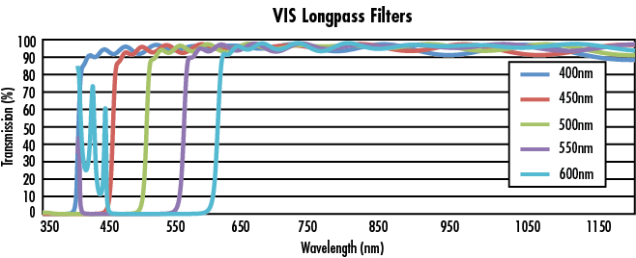
## Product Details

- 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

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