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**TECHSPEC® 550nm 12.5mm Diameter, OD 2.0 Shortpass Filter**



TECHSPEC OD 2.0 Shortpass Filters

Stock **#47-813** [CONTACT US](#)

⊖ 1 ⊕ £78<sup>40</sup>

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Volume Pricing	
Qty 1-5	£78.40 each
Qty 6-25	£70.40 each
Qty 26-49	£67.20 each
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**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Shortpass Filter **Type:**

**Physical & Mechanical Properties**

12.50 +0.0/-0.2 **Diameter (mm):**

**Thickness (mm):**

1.50 ±0.1

80.00 **Clear Aperture (%)**

## Optical Properties

0 **Angle of Incidence (°)**

≥2.0 **Optical Density OD (Average)**

550.00 **Cut-Off Wavelength (nm)**

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

Traditional Coated **Coating:**

575 - 725 **Rejection Wavelength (nm)**

40-20 **Surface Quality:**

>85 **Transmission (%)**

400 - 530 **Transmission Wavelength (nm)**

λ/4 **Transmitted Wavefront, P-V:**

±3 **Slope Factor (%)**

±2 **Cut-Off Tolerance (%)**

400 - 725 **Wavelength Range (nm)**

## Regulatory Compliance

**Compliant** **RoHS 2015:**

**Compliant** **Reach 219:**

**View** **Certificate of Conformance:**

## 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](#).

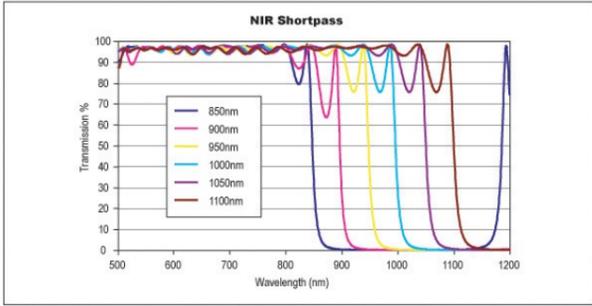
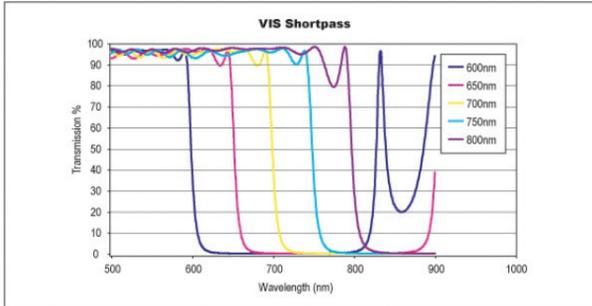
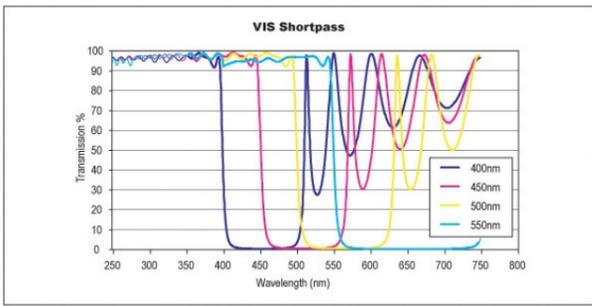
## Product Details

- Sharp Cut-Off Wavelength
- High Transmission / Rejection Efficiency
- Precision Fused Silica Substrate

Our TECHSPEC® OD 2.0 Shortpass Filters are designed to have a very sharp transition from transmission to reflection, making them extremely useful in several applications. With an average transmission of 85% and an average blocking optical density of 2.0, excellent contrast can be achieved in machine vision and gauging applications. Available in a variety of cut-off wavelengths, they are ideal for fluorescence applications, separating spectral orders, and creating custom, efficient bandpass filters when combined with [TECHSPEC® OD 2.0 Longpass Filters](#). TECHSPEC® OD 2.0 Shortpass Filters have a single layer of AR coating on the back surface that enhances the overall efficiency of each filter. These filters are designed with a precision fused silica substrate.

**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



## Compatible Mounts