

**TECHSPEC® 650nm 50mm Diameter, OD 2.0 Shortpass Filter**



TECHSPEC OD 2.0 Shortpass Filters

Stock **#64-666** **20+ In Stock**

⊖ 1 ⊕ **\$333<sup>05</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>\$333.05</b> each
Qty 6-25	<b>\$300.19</b> each
Qty 26-49	<b>\$285.26</b> each
Need More?	<a href="#">Request Quote</a>

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**SPECIFICATIONS**

**General**

Shortpass Filter **Type:**

**Physical & Mechanical Properties**

50.00 +0.0/-0.2	Diameter (mm):
5.00 ±0.1	Thickness (mm):
80.00	Clear Aperture (%):
<b>Optical Properties</b>	
0	Angle of Incidence (°):
≥2.0	Optical Density OD (Average):
650.00	Cut-Off Wavelength (nm):
<a href="#">Fused Silica</a> (Corning 7980)	Substrate: <input type="checkbox"/>
Traditional Coated	Coating:
675 - 850	Rejection Wavelength (nm):
40-20	Surface Quality:
>85	Transmission (%):
400 - 630	Transmission Wavelength (nm):
λ/4	Transmitted Wavefront, P-V:
±3	Slope Factor (%):
±2	Cut-Off Tolerance (%):
400 - 850	Wavelength Range (nm):
<b>Regulatory Compliance</b>	
<a href="#">Compliant</a>	RoHS 2015:
<a href="#">Compliant</a>	Reach 224:
<a href="#">View</a>	Certificate of Conformance:

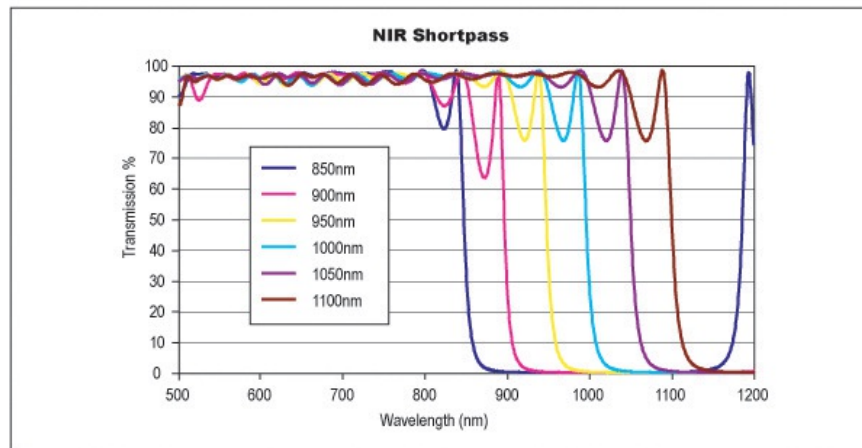
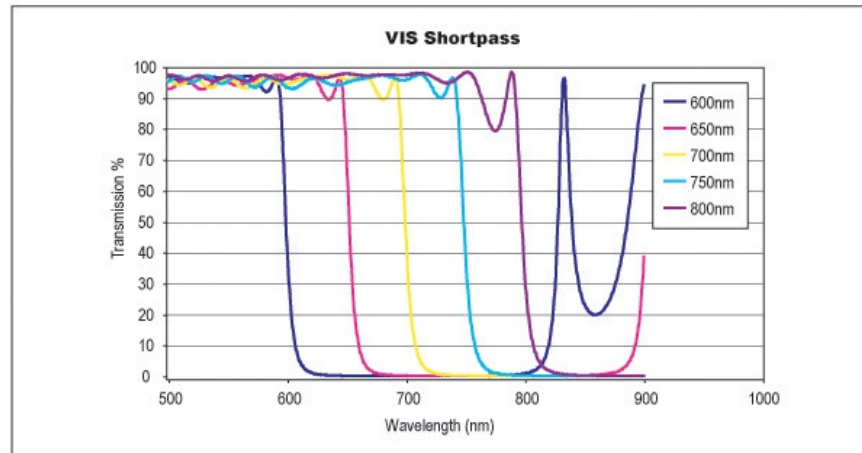
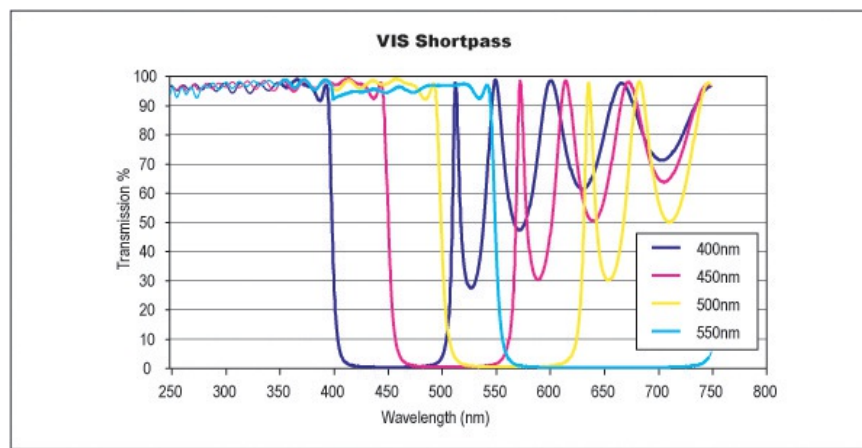
## PRODUCT DETAILS

- 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



## 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