

TECHSPEC® 950nm 12.5mm Diameter, OD 2.0 Shortpass Filter



TECHSPEC OD 2.0 Shortpass Filters

Stock #47-821 **20+ In Stock**

1 €96.⁸²

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Volume Pricing	
Qty 1-5	€96,82 each
Qty 6-25	€87,04 each
Qty 26-49	€82,92 each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Shortpass Filter Type:

Physical & Mechanical Properties

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

1.50 ±0.1 **Thickness (mm):**

80.00 **Clear Aperture (%):**

Optical Properties

0 **Angle of Incidence (°):**

≥2.0 **Optical Density OD (Average):**

950.00 **Cut-Off Wavelength (nm):**

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

Traditional Coated **Coating:**

1025 - 1235 **Rejection Wavelength (nm):**

40-20 **Surface Quality:**

>85 **Transmission (%):**

450 - 910 **Transmission Wavelength (nm):**

λ/4 **Transmitted Wavefront, P-V:**

±3 **Slope Factor (%):**

±2 **Cut-Off Tolerance (%):**

450 - 1235 **Wavelength Range (nm):**

Regulatory Compliance

Compliant **RoHS 2015:**

Compliant **Reach 224:**

View **Certificate of Conformance:**

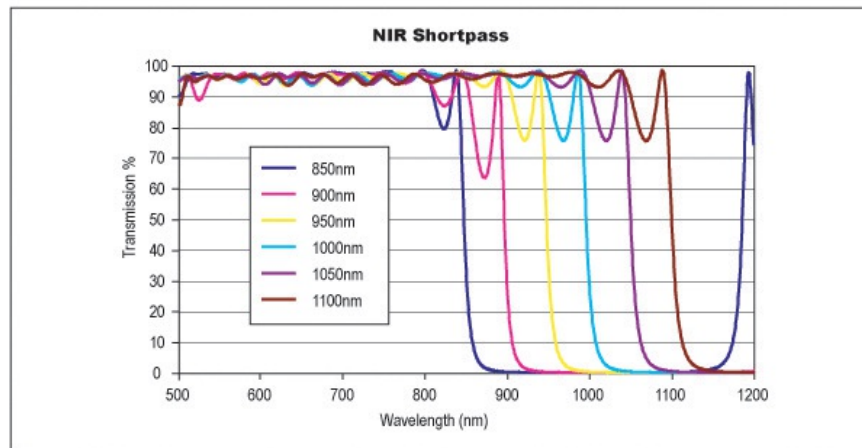
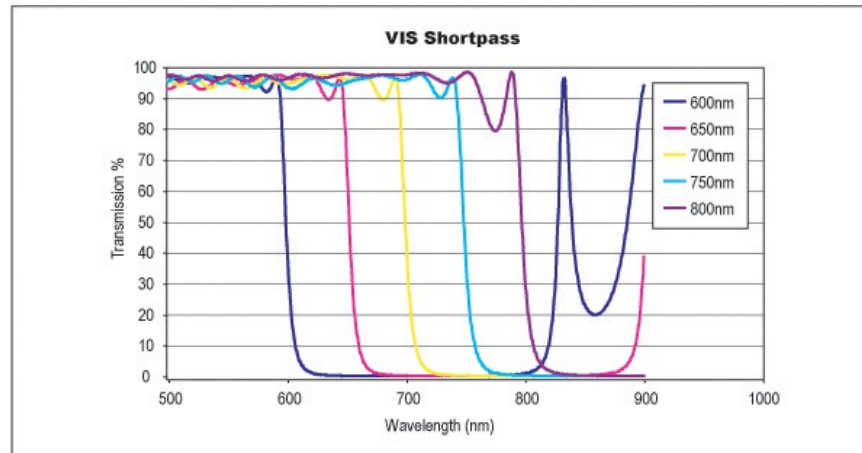
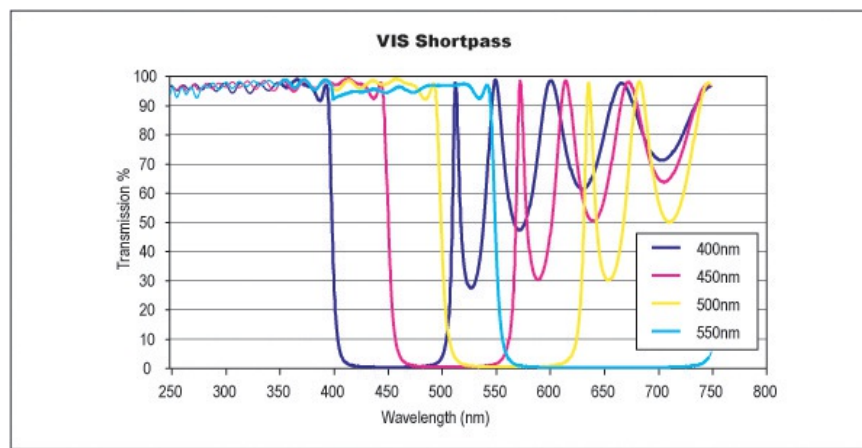
PRODUCT DETAILS

- 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.

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