

TECHSPEC<sup>®</sup> 975nm 50mm Diameter, OD 2.0 Shortpass Filter



TECHSPEC OD 2.0 Shortpass Filters

Stock **#64-657** CLEARANCE **5 In Stock**

-

1

+

£177<sup>.73</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | £177.73 each                  |
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:  
Shortpass Filter

Physical & Mechanical Properties

Diameter (mm):

|                             |                                     |
|-----------------------------|-------------------------------------|
| 50.00 +0.0/-0.2             |                                     |
| 5.00 ±0.1                   | Thickness (mm):                     |
| 80.00                       | Clear Aperture (%):                 |
| Optical Properties          |                                     |
| 0                           | Angle of Incidence (°):             |
| ≥2.0                        | Optical Density OD (Average):       |
| 975.00                      | Cut-Off Wavelength (nm):            |
| Fused Silica (Corning 7980) | Substrate: <input type="checkbox"/> |
| Traditional Coated          | Coating:                            |
| 1050 - 1265                 | Rejection Wavelength (nm):          |
| 40-20                       | Surface Quality:                    |
| >85                         | Transmission (%):                   |
| 450 - 935                   | Transmission Wavelength (nm):       |
| λ/4                         | Transmitted Wavefront, P-V:         |
| ±3                          | Slope Factor (%):                   |
| ±2                          | Cut-Off Tolerance (%):              |
| 450 - 1265                  | Wavelength Range (nm):              |
| Regulatory Compliance       |                                     |
| Compliant                   | RoHS 2015:                          |
| View                        | Certificate of Conformance:         |
| Compliant                   | Reach 235:                          |

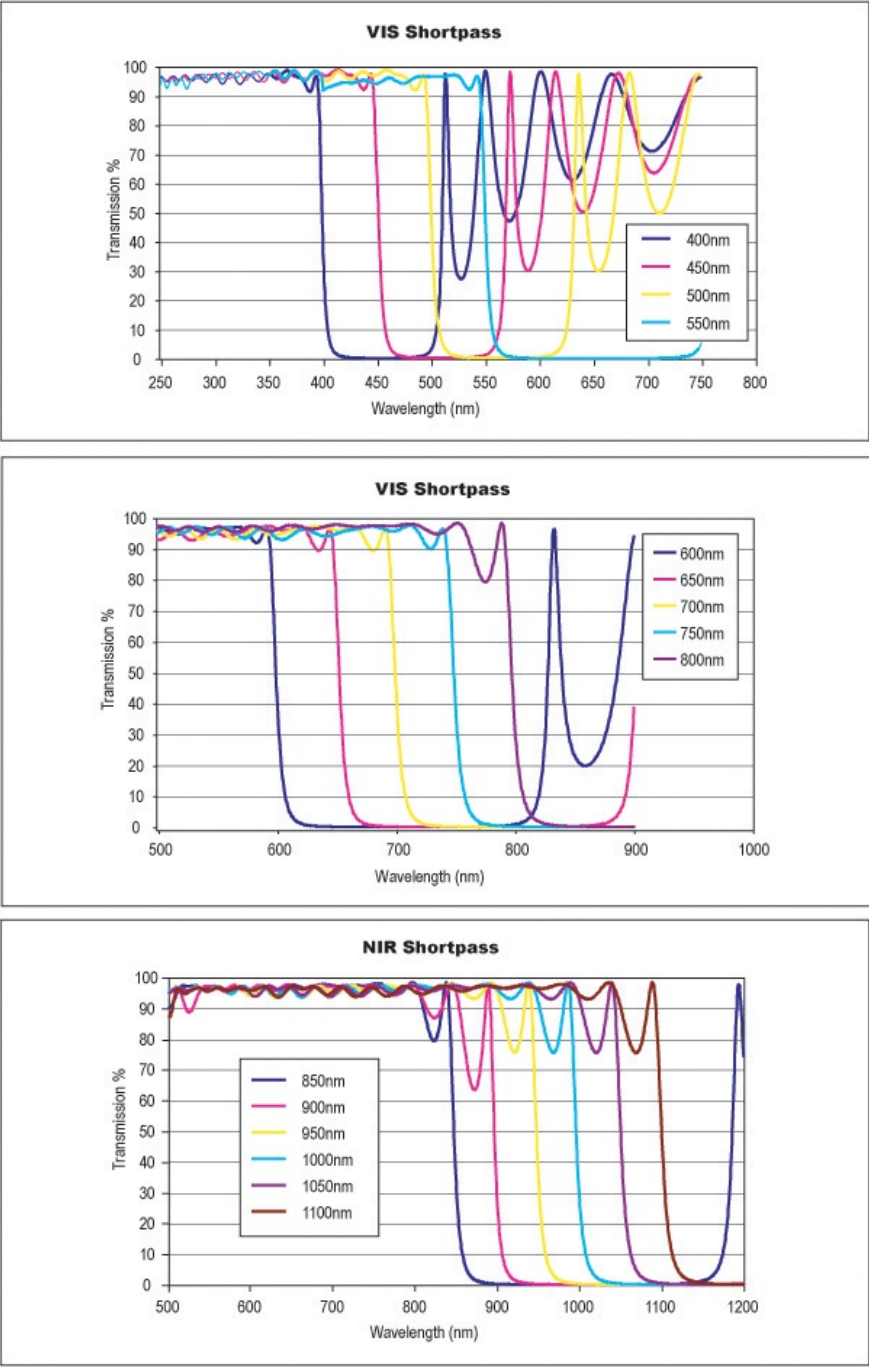
## PRODUCT DETAILS

- 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