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

TECHSPEC OD 2.0 Shortpass Filters

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

- 1 + **£192**.00

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Volume Pricing	
Qty 1-5	**£192.00** each
Qty 6-25	**£172.80** each
Qty 26-49	**£164.00** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Shortpass Filter

Physical & Mechanical Properties

Diameter (mm):

50.00 +0.0/-0.2

Thickness (mm):

5.00 ±0.1

Clear Aperture (%):

80.00

Optical Properties

Angle of Incidence (°):

0

Optical Density OD (Average):

≥2.0

Cut-Off Wavelength (nm):

650.00

Substrate:

Fused Silica (Corning 7980)

Coating:

Traditional Coated

Rejection Wavelength (nm):

675 - 850

Surface Quality:

40-20

Transmission (%):

>85

Transmission Wavelength (nm):

400 - 630

Transmitted Wavefront, P-V:

λ/4

Slope Factor (%):

±3

Cut-Off Tolerance (%):

±2

Wavelength Range (nm):

400 - 850

Regulatory Compliance

RoHS 2015:

Compliant

Reach 224:

Compliant

Certificate of Conformance:

View

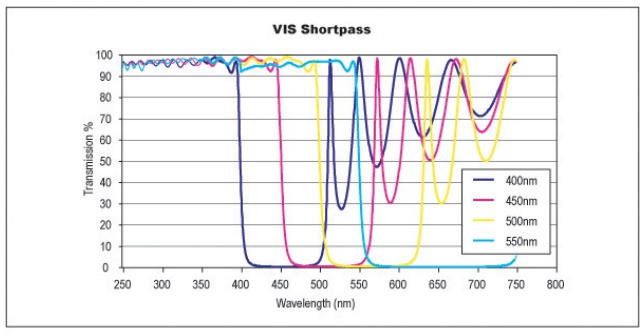
Product Details

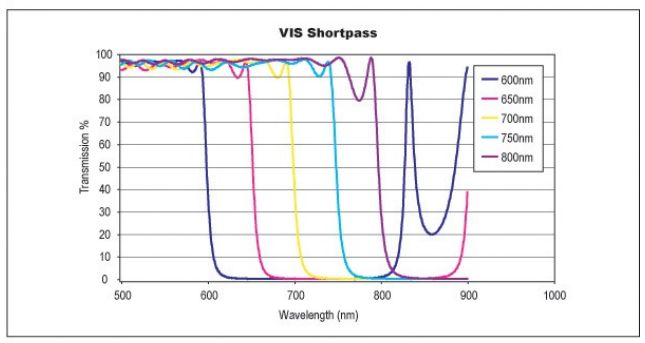
- Sharp Cut-Off Wavelength
- High Transmission / Rejection Efficiency
- Precision Fused Silica Substrate

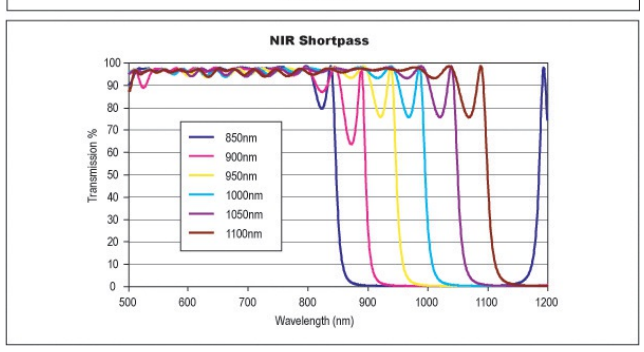
Our TECHSPEC® OD 2.0 Shortpass Filters are designed to have a very sharp transition from transmission to reflection, making them extremely useful in several applications. With an average transmission of 85% and an average blocking optical density of 2.0, excellent contrast can be achieved in machine 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