

[See all 41 Products in Family](#)

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



TECHSPEC OD 2.0 Shortpass Filters

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

- 1 + MRP ₹9,887

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹9,887 each
Qty 6-25	₹8,878 each
Qty 26-49	₹8,475 each
Need More?	<a href="#">Request Quote</a>

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:

United States Country of Origin:

Imported By:  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

## Need different specs or modifications?

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