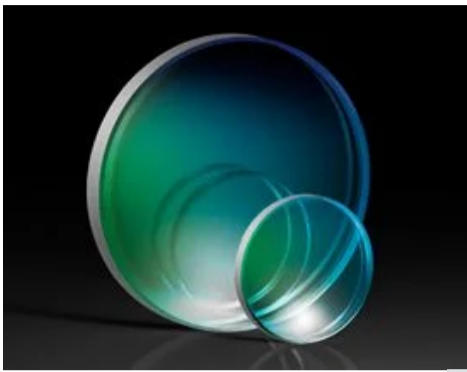


# TECHSPEC® 550nm 12.5mm Diameter, OD 2.0 Longpass Filter



OD 2.0 Longpass Filters

Stock #49-027 **20+ In Stock**

1

MRP ₹9,887

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹9,887 each
Qty 6-25	₹8,374 each
Qty 26-49	₹7,869 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

## General

Type: Longpass Filter

## Physical & Mechanical Properties

Diameter (mm):	12.50 +0.00/-0.20	Thickness (mm):	1.50 ±0.1
Clear Aperture (%):	80		

## Optical Properties

Angle of Incidence (°):	0	Optical Density OD (Average):	≥2.0
Cut-On Wavelength (nm):	550.00	Substrate: <a href="#">Fused Silica</a> (Corning 7980)	
Coating:	Traditional Coated	Rejection Wavelength (nm):	415 - 515
Surface Quality:	40-20	Transmission (%):	>85
Transmission Wavelength (nm):	575 - 2000	Transmitted Wavefront, P-V:	λ/4
Cut-On Tolerance (%):	±2	Slope Factor (%):	3.00
Coating Specification:	Surface 1: Multi-Layer Dielectric Surface 2: MgF <sub>2</sub>	Wavelength Range (nm):	415 - 2000

## Regulatory Compliance

RoHS 2015: **Compliant**

Reach 219: **Compliant**

Certificate of Conformance: [View](#)

Country of Origin: United States

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

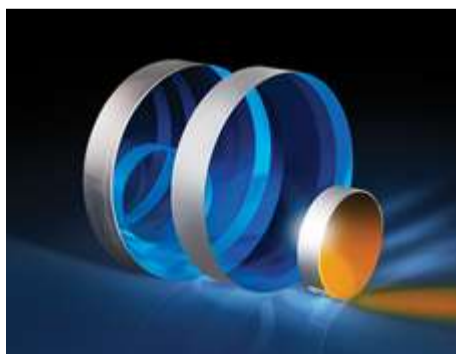
- Sharp Cut-On Wavelength
- High Rejection/Transmission Efficiency
- Precision Fused Silica Substrate
- Variety of [OD 2.0 Longpass Filter Kits](#) are Available

TECHSPEC® OD 2.0 Longpass Filters are designed to have a sharp transition from reflection to transmission, making them ideal for various applications. Available in a variety of cut-on wavelengths, these filters are designed for fluorescence and order sorting applications. These filters feature precision fused silica substrate and high rejection/transmission efficiency. TECHSPEC® OD 2.0 Longpass Filters have a single-layer AR coating on the back surface that enhances the overall efficiency of each filter. Eliminate stray light by creating custom bandpass filters when combined with [TECHSPEC® OD 2.0 Shortpass Filters](#). A single layer AR coating on the back surface enhances the overall efficiency of each filter.

**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

## Frequently Purchased Together



#01-913-533 - 1" Dia. Enhanced Aluminum,  $\lambda/10$  Flat Fused Silica  
₹16,647

Qty



#32-942 - 12.5mm Dia Enhanced Aluminum, 4-6 $\lambda$  Mirror  
₹2,876

Qty



#33-909 - 620nm CWL, 12.5mm Dia, 56nm Bandwidth, OD 6 Fluorescence Filter  
₹28,653

Qty
















































#43-466 - 25mm Dia. x 50mm FL Protected Aluminum, Concave Mirror  
₹5,499

Qty



## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
 	12.5/12.7mm Optic Dia., SM05 Thin Mount, M4	Fixed		#13-789	₹1,967 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	12.5/12.7mm Optic Dia., SM05 Thin Mount, 8-32	Fixed		#13-790	₹1,967 Request Quote	2 In Stock <input type="text" value="1"/> 
 	12.5/12.7mm Optic Dia., L-Slot Direct Mount	Fixed		#36-416	₹5,953 Request Quote	1 In Stock <input type="text" value="1"/> 
 	12.5/12.7mm Optic Dia., Side Flange Direct Mount	Fixed		#36-418	₹5,953 Request Quote	1 In Stock <input type="text" value="1"/> 
 	12.5/12.7mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-417	₹9,736 Request Quote	12 In Stock <input type="text" value="1"/> 
 	5.0 - 25.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-529	₹10,291 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	₹10,694 Request Quote	2 In Stock <input type="text" value="1"/> 
 	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	₹10,896 Request Quote	CONTACT US <input type="text" value="1"/> 
 	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	₹11,703 Request Quote	6 In Stock <input type="text" value="1"/> 
 	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	₹12,107 Request Quote	10 In Stock <input type="text" value="1"/> 
 	4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	₹15,840 Request Quote	6 In Stock <input type="text" value="1"/> 
 	12.5/12.7mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-955	₹26,333 Request Quote	5 In Stock <input type="text" value="1"/> 
 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	₹41,365 Request Quote	CONTACT US <input type="text" value="1"/> 
 	12.5/12.7mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#84-640	₹42,475 Request Quote	7 In Stock <input type="text" value="1"/> 
 	12.5/12.7mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-958	₹43,282 Request Quote	5 In Stock <input type="text" value="1"/> 

Check out our full selection of mounts [here](#).

# Resources

## Media Type

- Application Note
- Video
- Published Article
- FAQ
- Glossary
- Trending in Optics

APPLICATION NOTE

The Importance of Optical Filter Orientation....

APPLICATION NOTE

Custom Bandpass Filter using Shortpass an...

VIDEO

Optical Filters Review

VIDEO

Optical Filter Coatings: Comparison of Traditional a...

PUBLISHED ARTICLE

Selecting Color Filter Glass for Life Science Applications

FAQ

What type of material should I look for in a filter?

[View More](#)