

TECHSPEC® 375nm 50mm Dia., High Performance Longpass Filter



Stock #34-303 3 In Stock

1 MRP ₹58,516

Price inclusive of all taxes

ADD TO CART

High Performance OD 4.0 Longpass Filter

Volume Pricing	
Qty 1-5	₹58,516 each
Qty 6-25	₹46,813 each
Qty 26-49	₹43,888 each
Need More?	Request Quote

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):	50.00 +0/-0.2	Thickness (mm):	1.50 ±0.1
Clear Aperture (%):	>80	Physical Durability:	Adhesion per MIL-PRF-13830B, Section C.4.5.12 Moderate abrasion per MIL-PRF-13830B, Section C.4.5.11 Cleaning per MIL-C-48497A Section 4.5.4.2

Optical Properties

Angle of Incidence (°):	0	Optical Density OD (Average):	≥4.0
Cut-On Wavelength (nm):	375.00	Substrate:	Fused Silica (Corning 7980)
Coating:	Hard Coated	Rejection Wavelength (nm):	200 - 365
Surface Quality:	60-40	Transmission (%):	>91
Transmission Wavelength (nm):	383 - 1600	Transmitted Wavefront, RMS:	≤λ/4 @ 633nm (prior to coating)
Cut-On Tolerance (%):	±1	Slope Factor (%):	1.00

Coating Specification: Surface 1: Hard Dielectric Sputtered Surface 2: AR Coated

Wavelength Range (nm): 200 - 1600

Environmental & Durability Factors

Environmental Durability: Humidity per MIL-STD-810H, Section 507.6 Temperature per MIL-STD-810H, Section 501.7 and 502.7

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

REACH 241: **Compliant**

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

- Cut-On Slope <1%
- Rejection OD ≥ 4.0
- $\geq 91\%$ Transmission in Pass Band
- Variety of **OD 4.0 Longpass Filter Kits** Available

TECHSPEC® High Performance OD 4.0 Longpass Filters feature high transmission in the pass band combined with superior blocking in the rejection band. Due to a rejection band optical density of 4.0 combined with $>91\%$ in the pass band, these filters are ideal for a wide variety of applications. TECHSPEC® High Performance OD 4.0 Longpass Filters are hard coated, with a hard dielectric sputtered as the first surface and AR coating as the second. Eliminate stray light by creating custom bandpass filters when combined with **TECHSPEC® High Performance Shortpass Filters**.

Note: These filters are optimized for high spectral performance rather than high Laser Induced Damage Thresholds (LIDT). A typical LIDT for these filters is $1 \text{ J/cm}^2 @ 532\text{nm}, 10\text{ns}$. Please [contact us](#) if you require a filter with a higher LIDT value.

TECHSPEC® Rotating Filter Wheel can be used for applications requiring a variety of filters.

Technical Information

Related Products



Manual Cage Filter Wheel



Fixed/Multiple Filter Mounts



Cotton-Tipped Swab Applicators



OD 4.0 High Performance Shortpass and Longpass Filter Kits

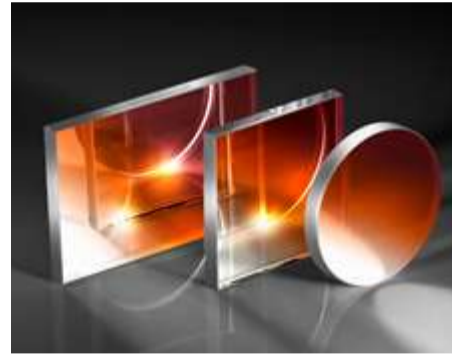
Frequently Purchased Together



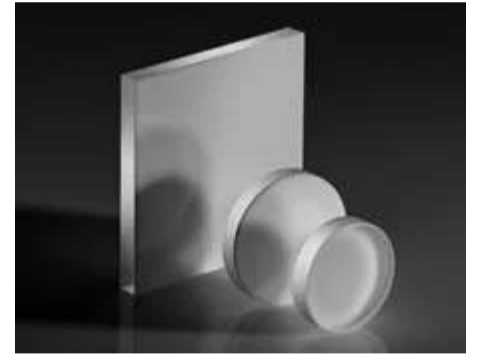
#34-297 - 325nm 50mm Dia., High Performance Longpass Filter
₹58,516



#34-300 - 350nm 50mm Dia., High Performance Longpass Filter
₹58,516















#45-852 - 25mm Dia 50R/50T, VIS Plate Beamsplitter
₹13,721



#46-165 - 10mm Diameter Opal Diffusing Glass
₹12,007

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	50.0mm Optic Dia., Optic Mount	Fixed		#64-567	₹4,969 Request Quote	3 In Stock <input type="text" value="1"/>
	50.0mm Optic Dia., Optic Mount	Fixed		#64-568	₹4,969 Request Quote	7 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"/>
	50.0/50.8mm Optic Dia., Optical Cell Assembly	Fixed		#36-465 CLEARANCE	₹12,739 Request Quote	2 In Stock <input type="text" value="1"/>
	50.0/50.8mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-957	₹31,074 Request Quote	1 In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	₹41,365 Request Quote	CONTACT US <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#55-000	₹51,454 Request Quote	7 In Stock <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-960	₹61,039 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-778	₹84,748 Request Quote	10 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](#)