

TECHSPEC[®] 325nm 12.5mm Dia., High Performance Longpass Filter



High Performance OD 4.0 Longpass Filters

Stock **#34-295** **4 In Stock**

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1

+

₹15,414

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Volume Pricing	
Qty 1-5	₹15,414 each
Qty 6-25	₹13,157 each
Qty 26-49	₹11,288 each
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General

Longpass Filter

Type:

Physical & Mechanical Properties

12.50 +0/-0.2

Diameter (mm):

1.50 ±0.1

Thickness (mm):

Clear Aperture (%):		>80
Physical Durability:		Adhesion per ML-PRF-13830B, Section C.4.5.12 Moderate abrasion per ML-PRF-13830B, Section C.4.5.11 Cleaning per ML-C-48497A Section 4.5.4.2
Optical Properties		
Angle of Incidence (°):		0
Optical Density OD (Average):		≥4.0
Cut-On Wavelength (nm):		325.00
Substrate: ☐		Fused Silica (Corning 7980)
Coating:		Hard Coated
Rejection Wavelength (nm):		200 - 315
Surface Quality:		60-40
Transmission (%):		>91
Transmission Wavelength (nm):		333 - 1600
Transmitted Wavefront, RMS:		≤λ/4 @ 633nm (prior to coating)
Cut-On Tolerance (%):		±1
Slope Factor (%):		2.00
Coating Specification:		Surface 1: Hard Dielectric Sputtered Surface 2: AR Coated
Wavelength Range (nm):		200 - 1600

Environmental & Durability Factors	
Environmental Durability:	
Humidity per ML-STD-810H, Section 507.6 Temperature per ML-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	
Importer:	
Edmund Optics India Private Limited	

Product Details

- Cut-On Slope <1%
- Rejection OD ≥ 4.0
- ≥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 J/cm² @ 532nm, 10ns. 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



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