

TECHSPEC[®] 800nm 25mm Dia., High Performance Longpass Filter



High Performance OD 4.0 Longpass Filters

Stock #66-235 11 In Stock

-

1

+

€280⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€280,00 each
Qty 6-25	€224,00 each
Qty 26-49	€210,00 each
Need More?	Request Quote

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Longpass Filter

Type:

Arrow on part indicates filter coated surface.

Note:

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.0/-0.2	
	Thickness (mm):
3.00 ±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):
800.00	
	Substrate: ☐
Fused Silica (Corning 7980)	
	Coating:
Hard Coated	
	Rejection Wavelength (nm):
200 - 785	
	Surface Quality:
60-40	
	Transmission (%):
≥91	
	Transmission Wavelength (nm):
815 - 1650	
	Transmitted Wavefront, RMS:
≤λ/4 @ 633nm (prior to coating)	
	Cut-On Tolerance (%):
±1	
	Slope Factor (%):
<1	
	Coating Specification:
Surface 1: Hard Dielectric Sputtered	
Surface 2: AR Coated	
	Wavelength Range (nm):
200 - 1650	

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 247:
Compliant	

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](#).

Product Details

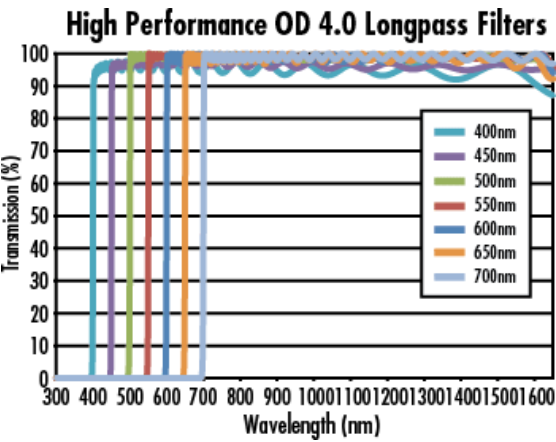
- Cut-On Slope <1%
- Rejection OD ≥ 4.0
- ≥91% Transmission in Pass Band
- Variety of [OD 4.0 Longpass Filter Kits](#) Available

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



Compatible Mounts