

TECHSPEC<sup>®</sup> 650nm 25mm Dia., High Performance Longpass Filter



High Performance OD 4.0 Longpass Filters

Stock **#62-986** **4 In Stock**

-

1

+

€275<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €275,00 each                  |
| Qty 6-25       | €220,00 each                  |
| Qty 26-49      | €206,25 each                  |
| Need More?     | <a href="#">Request Quote</a> |

**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Longpass Filter

Type:

|                                                                                                                                                                                                                 |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <div>Note:</div> <div>Arrow on part indicates filter coated surface.</div>                                                                                                                                      |                               |
| Physical & Mechanical Properties                                                                                                                                                                                |                               |
| 25.00 +0.0/-0.2                                                                                                                                                                                                 | Diameter (mm):                |
| 3.00 ±0.1                                                                                                                                                                                                       | Thickness (mm):               |
| >80                                                                                                                                                                                                             | Clear Aperture (%):           |
| <div>Physical Durability:</div> <div>Adhesion per MIL-PRF-13830B, Section C.4.5.12</div> <div>Moderate abrasion per MIL-PRF-13830B, Section C.4.5.11</div> <div>Cleaning per MIL-C-48497A Section 4.5.4.2</div> |                               |
| Optical Properties                                                                                                                                                                                              |                               |
| 0                                                                                                                                                                                                               | Angle of Incidence (°):       |
| ≥4.0                                                                                                                                                                                                            | Optical Density OD (Average): |
| 650.00                                                                                                                                                                                                          | Cut-On Wavelength (nm):       |
| Fused Silica (Corning 7980)                                                                                                                                                                                     | Substrate: <div></div>        |
| Hard Coated                                                                                                                                                                                                     | Coating:                      |
| 200 - 637                                                                                                                                                                                                       | Rejection Wavelength (nm):    |
| 60-40                                                                                                                                                                                                           | Surface Quality:              |
| ≥91                                                                                                                                                                                                             | Transmission (%):             |
| 660 - 1650                                                                                                                                                                                                      | Transmission Wavelength (nm): |
| ≤λ/4 @ 633nm (prior to coating)                                                                                                                                                                                 | Transmitted Wavefront, RMS:   |
| ±1                                                                                                                                                                                                              | Cut-On Tolerance (%):         |
| <1                                                                                                                                                                                                              | Slope Factor (%):             |
| <div>Coating Specification:</div> <div>Surface 1: Hard Dielectric Sputtered</div> <div>Surface 2: AR Coated</div>                                                                                               |                               |
| 200 - 1650                                                                                                                                                                                                      | Wavelength Range (nm):        |
| Environmental & Durability Factors                                                                                                                                                                              |                               |
| <div>Environmental Durability:</div> <div>Humidity per MIL-STD-810H, Section 507.6</div> <div>Temperature per MIL-STD-810H, Section 501.7 and 502.7</div>                                                       |                               |
| Regulatory Compliance                                                                                                                                                                                           |                               |
| Compliant                                                                                                                                                                                                       | RoHS 2015:                    |
| View                                                                                                                                                                                                            | Certificate of Conformance:   |
| Compliant                                                                                                                                                                                                       | Reach 247:                    |

## 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/cm<sup>2</sup> @ 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