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# 450nm 12.5mm, Ultra-Thin OD4 Longpass Filter

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Everix Ultra-Thin OD4 Longpass Filters

Stock **#29-188** **3 In Stock**

⊖ 1 ⊕ C\$214<sup>.20</sup>

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## General

Longpass Filter **Type:**

## Physical & Mechanical Properties

12.45 ±0.15 **Diameter (mm):**

0.30 **Thickness (mm):**

90

Clear Aperture (%):

## Optical Properties

Optical Density OD (Average):  
≥4.0

Cut-On Wavelength (nm):  
450.00 ±9.0

Rejection Wavelength (nm):  
378.7 - 434.4

Transmission (%):  
>85% (average)

Transmission Wavelength (nm):  
465.9 - 1100

## Regulatory Compliance

Certificate of Conformance:  
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### 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

- Ultra-thin 300µm Construction
- OD ≥4.0 Blocking and >85% Average Transmission
- Lightweight and Scratch Insensitive

Everix Ultra-Thin OD 4.0 Longpass Filters are constructed from layers of ultra-thin polymers and dyes that deliver the same performance as thick traditional filters but in a compact 300µm, flexible filter design. These filters cover wavelengths from the visible to the near infrared (NIR) regions and offer rejection levels meeting optical densities ≥ 4.0 while providing >85% average transmission. Custom bandpass filters can be created by combining these filters with the [Everix Ultra-Thin OD4 Shortpass Filters](#) to assist with the elimination of stray light. Everix Ultra-Thin OD 4.0 Longpass Filters are ideal for a variety of weight sensitive applications in medical technology, automation, and autonomous vehicles. Everix's proprietary ultra-thin filter technology yields filters which are less sensitive to scratches and other imperfections than comparable coated filters.

**Note:** For custom filter designs please [contact us](#) for more information.