

## 5.0 $\mu$ m 25mm Diameter, IR Shortpass Filter



Stock #75-126 **NEW** 14 In Stock

- 1 + £472.<sup>00</sup>

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Volume Pricing	
Qty 1-9	£472.00 each
Qty 10-25	£424.80 each
Qty 26-49	£401.20 each
Need More?	<a href="#">Request Quote</a>

! Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Shortpass Filter **Type:**

### Physical & Mechanical Properties

25.00 +0.0/-0.2 **Diameter (mm):**

1.00 ±0.2 **Thickness (mm):**

## Optical Properties

0	Angle of Incidence (°):
≥3.0	Optical Density OD (Average):
5,000.00	Cut-Off Wavelength (nm):
5	Cut-Off Wavelength (μm):
Silicon	Substrate: <input type="checkbox"/>
5300 - 11000	Rejection Wavelength (nm):
80-50	Surface Quality:
≥85	Transmission (%):
3000 - 4850	Transmission Wavelength (nm):
3 - 4.85	Transmission Wavelength (μm):
±2	Cut-Off Tolerance (%):
5.3 - 11	Rejection Wavelength (μm):

## Environmental & Durability Factors

ML-C-48497A, Section 4.5.3	Durability:
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## Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 233:

## 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

- ≥85% Average Transmission over a Broad Infrared Wavelength Range
- OD ≥3.0 Blocking Across Rejection Band
- Common Wavelengths for Environmental and Medical Applications

Infrared (IR) Shortpass Filters are designed to provide ≥85% average transmission across their transmission band and OD ≥3.0 blocking across their rejection band. With cut-off wavelengths ranging from 3.95 to 13.3μm, these shortpass filters provide coverage across the IR spectrum. Featuring durable coatings and optical-quality Silicon and Germanium substrates, these filters can withstand normal cleaning and handling associated with high-quality optical components. Infrared (IR) Shortpass Filters are ideal for a wide range of imaging and detection applications in environmental sciences, life sciences, and medical diagnostics. These filters can be used in combination with [Infrared \(IR\) Longpass Filters](#) to create custom bandwidth filters and fine tune optical systems.

## Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools

