

[See all 5 Products in Family](#)

9.5µm 25mm Diameter, IR Shortpass Filter



Stock #21-257 [CONTACT US](#)

- 1 + €650.⁰⁰

ADD TO CART

Volume Pricing

Qty 1-5	€650,00 each
Qty 6-25	€585,00 each
Qty 26-49	€556,00 each
Need More?	Request Quote

! 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):**

9,500.00 **Cut-Off Wavelength (nm):**

9.5 **Cut-Off Wavelength (μm):**

Silicon Floatzone **Substrate:**

10070 - 13800 **Rejection Wavelength (nm):**

80-50 **Surface Quality:**

≥80 **Transmission (%):**

8000 - 9100 **Transmission Wavelength (nm):**

8 - 9.1 **Transmission Wavelength (μm):**

±2 **Cut-Off Tolerance (%):**

10.07 - 13.8 **Rejection Wavelength (μm):**

Environmental & Durability Factors

ML-C-48497A, Section 4.5.3 **Durability:**

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Compliant **Reach 251:**

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

Compatible Mounts
