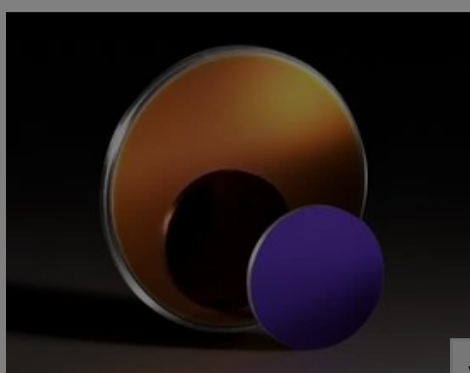


1.05µm, 12.5mm



Infrared (IR) Longpass Filters

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit

1

€187<sup>00</sup>

ADD TO CART

Volume Pricing

Qty 1-9	€187,00 each
Qty 10-25	€168,00 each
Qty 26-49	€159,00 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

General

Type: Longpass Filter

Note: Transmission at cut-on wavelength is 5% of peak transmission.

Physical & Mechanical Properties

Diameter (mm): 12.50 +0.0/-0.1

Thickness (mm): 1.00 ±0.2

Parallelism (arcmin): <10

Clear Aperture (%): 90

Optical Properties

Optical Density OD (Average): ≥3.0

Cut-On Wavelength (nm): 1,050.00

Substrate: Silicon (Si)

Coating: Traditional Coated

Surface Quality: 80-50

Transmission (%): >85 (average)

Transmission Wavelength (nm): 1100 - 2100

Transmission Wavelength (µm): 1.10 - 2.10

Blocking Wavelength Range (nm): 200 - 1050

Slope Factor (%): <12

Cut-On Wavelength (µm): 1.05 ±0.04

Surface Flatness (P-V): 3 - 5λ

Environmental & Durability Factors

Operating Temperature: -62 to +71

(°C):

## Regulatory Compliance

RoHS 2015: **Compliant**

REACH 241: **Compliant**

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## Product Details

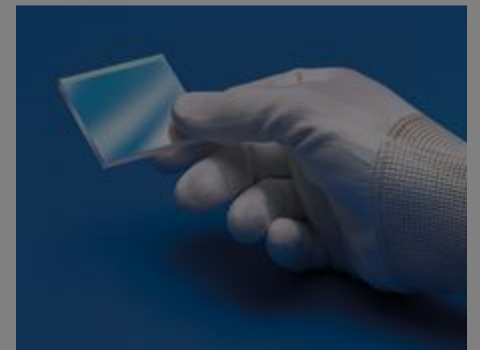
- Coated on Silicon or Germanium Substrates
- Ideal for Isolating Broad Spectral Regions
- Durable, First-Surface Coatings
- **Due to material supply chain disruptions with germanium, there may be increased lead times and price changes on our germanium products. For more information, please contact our customer service team.**

Infrared (IR) Longpass Filters provide a sharp cut-off below a particular wavelength. Often used for order sorting, they isolate broad regions of the spectrum, simultaneously providing high transmission of desired energy, and deep rejection of unwanted energy. These filters are constructed of hard, durable first-surface dielectric coatings on optical-quality IR-transmitting substrates. Infrared (IR) Longpass Filters are able to withstand normal cleaning and handling associated with any high-quality optical component because of their make-up. These filters are particularly useful for FTIR spectroscopy and Thermal Imaging Applications. For custom sizes and coating requirements, please contact our [Sales Department](#).

## Technical Information

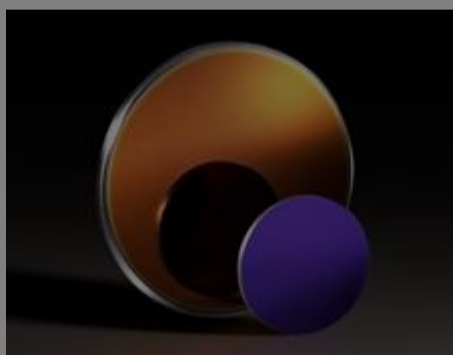
### Special Handling

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.



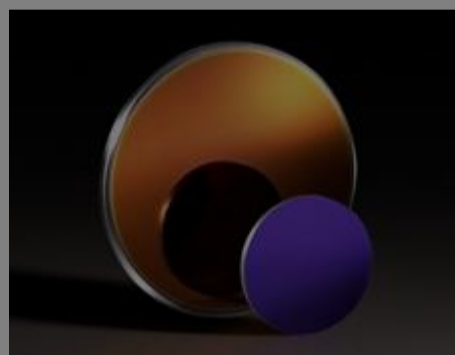
**Component Handling Tools**

## Frequently Purchased Together



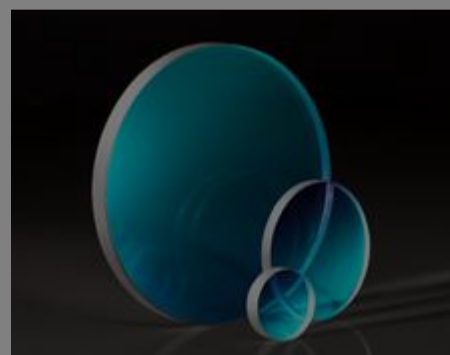
#33-968 - 1.65µm, 12.5mm Diameter, Infrared Longpass Filter  
**€210,00**

Qty



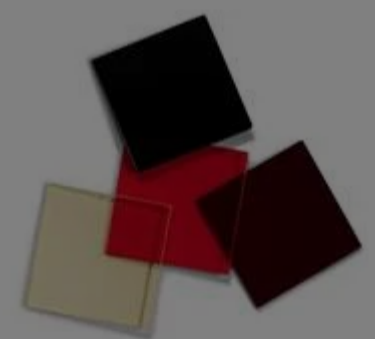
#33-969 - 2.40µm, 12.5mm Diameter, Infrared Longpass Filter  
**€225,00**

Qty



#34-242 - 25mm Dia., Uncoated, 30' Wedge, Fused Silica Wedged Window  
**€161,00**

Qty



#32-760 - SCHOTT RG-1000, 25.4mm Dia., 3mm Thick, Colored Glass Longpass Filter  
**€46,00**

Qty

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	5.0 - 25.0mm Optic Height,	Fixed		#55-529	€102,00 <a href="#">Request</a>	20+ In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	Metric Bar-Type Optic Holder				<a href="#">Quote</a>	
<a href="#">MORE+</a>	7.0 - 40.0 (mm) Optic Height, English Bar-Type Optic Holder					20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	€108,00 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/>
<a href="#">MORE+</a>	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	€157,00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	12.5/12.7mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-955	€261,00 <a href="#">Request Quote</a>	7 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/>
<a href="#">MORE+</a>	12.5/12.7mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#84-640	€421,00 <a href="#">Request Quote</a>	7 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	12.5/12.7mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-958	€429,00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/>

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Check out our full selection of mounts [here](#).

# Resources

## Media Type

- Application Note
- Scientific Paper
- Video
- Glossary
- FAQ
- Published Article
- Trending in Optics

**APPLICATION NOTE**

The Importance of Optical Filter Orientation...

**SCIENTIFIC PAPER**

Advantages of using engineered chalcogenide...

**VIDEO**

Infrared Light

**GLOSSARY**

Short Wave Infrared (SWIR)

**APPLICATION NOTE**

Advantages of Using Meniscus Lenses in...

**APPLICATION NOTE**

The Correct Material for Infrared (IR) Applications

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