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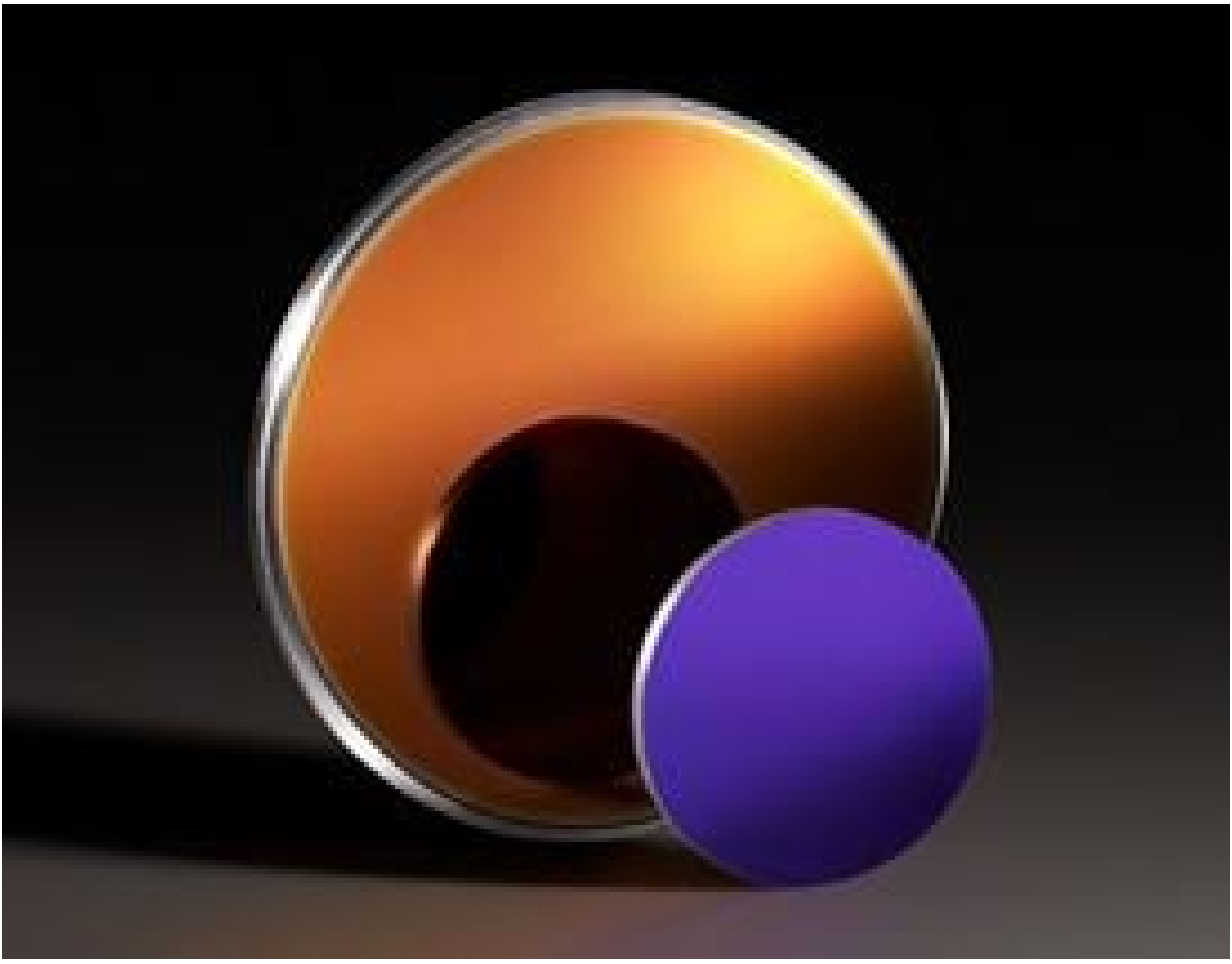
1.05µm, 12.5mm Diameter, Infrared Longpass Filter



Infrared (IR) Longpass Filters

Stock **#33-967** **6 In Stock**

- 1 +

€187.00

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?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

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 (°C):	-62 to +71

Regulatory Compliance

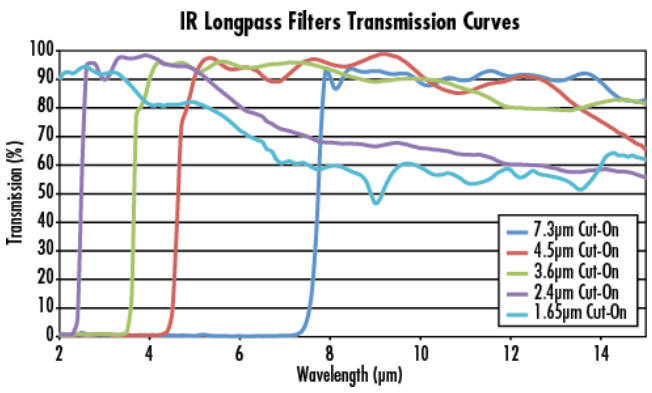
RoHS 2015:	Compliant
Certificate of Conformance:	View
REACH 241:	Compliant

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

Compatible Mounts

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