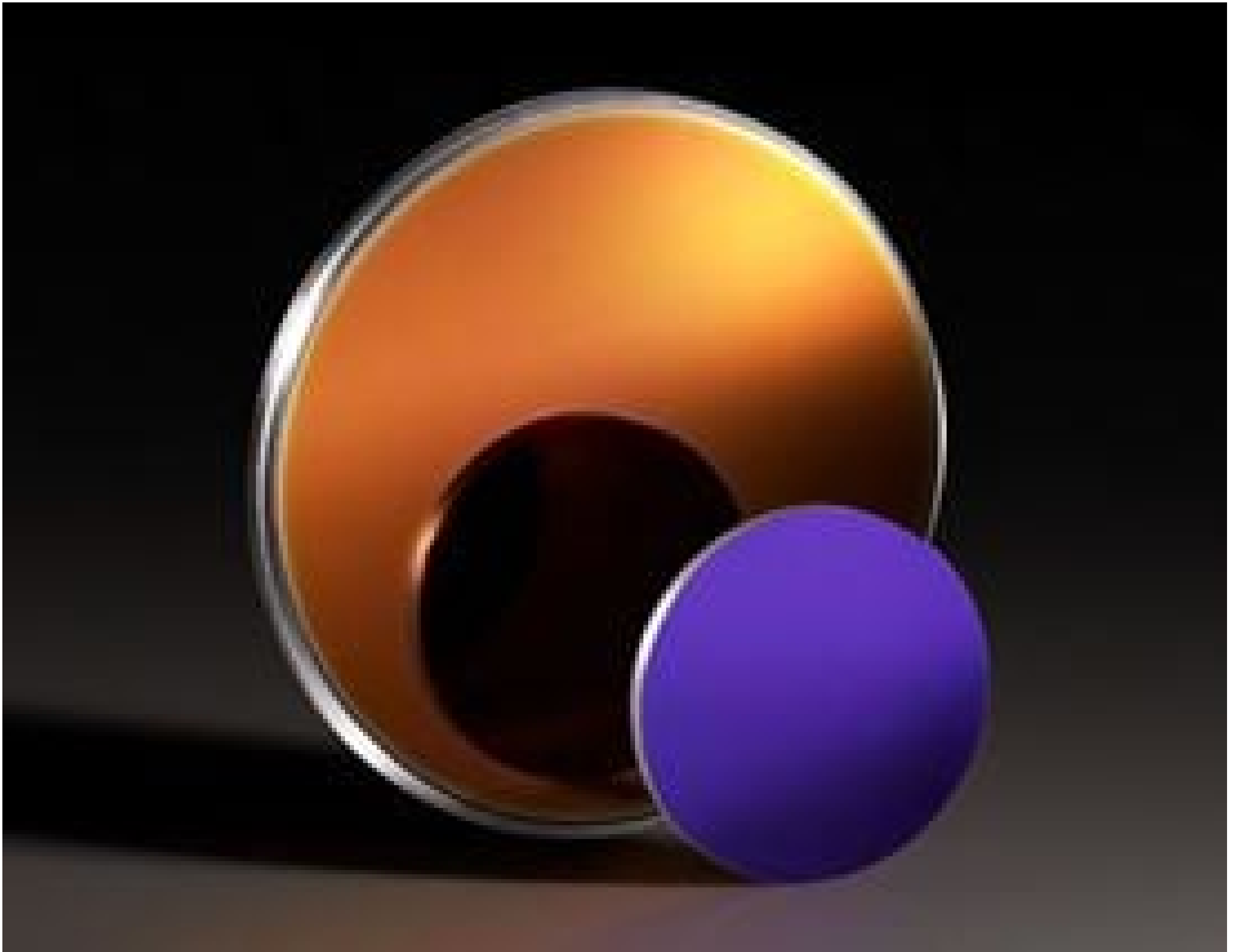


## 2.40µm, 25mm Diameter, Infrared Longpass Filter



Infrared (IR) Longpass Filters

Stock #68-653  In Stock

⊖ 1 ⊕ €347.<sup>00</sup>

**ADD TO CART**

Qty 1-9

€347,00

Qty 10+

€312,00

Volume Pricing

[Request Quote](#)

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

### SPECIFICATIONS

#### General

Type:  
Longpass Filter

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

## Physical & Mechanical Properties

**Diameter (mm):**  
25.00 +0.0/-0.1

**Thickness (mm):**  
1.00

**Thickness Tolerance (mm):**  
±0.2

**Parallelism (arcmin):**  
<10

**Clear Aperture (%):**  
90

## Optical Properties

**Optical Density OD (Average):**  
≥3.0

**Cut-On Wavelength (nm):**  
2,400.00

**Substrate:**   
Germanium (Ge)

**Coating:**  
Traditional Coated

**Surface Quality:**  
80-50

**Transmission (%):**  
>85

**Transmission Wavelength (nm):**  
2520 - 4800

**Transmission Wavelength (µm):**  
2.52 - 4.80

**Blocking Wavelength Range (nm):**  
200 - 2400

**Slope Factor (%):**  
<7

**Cut-On Wavelength (µm):**  
2.40 ±0.09

**Surface Flatness (P-V):**  
3 - 5λ

## Environmental & Durability Factors

**Operating Temperature (°C):**  
-62 to +71

## Regulatory Compliance

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

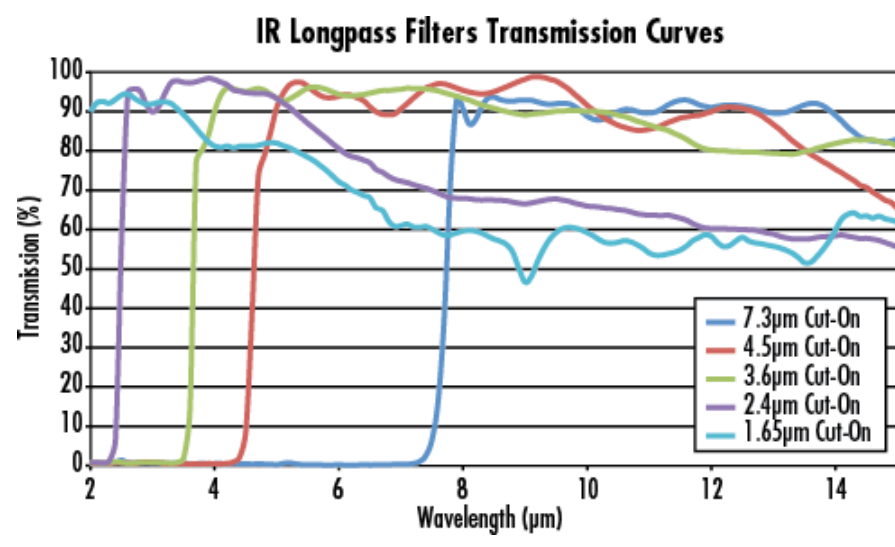
**REACH 241:**  
[Compliant](#)

## PRODUCT DETAILS

- Coated on Silicon or Germanium Substrates
- Ideal for Isolating Broad Spectral Regions
- Durable, First-Surface Coatings

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



COMPATIBLE MOUNTS

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