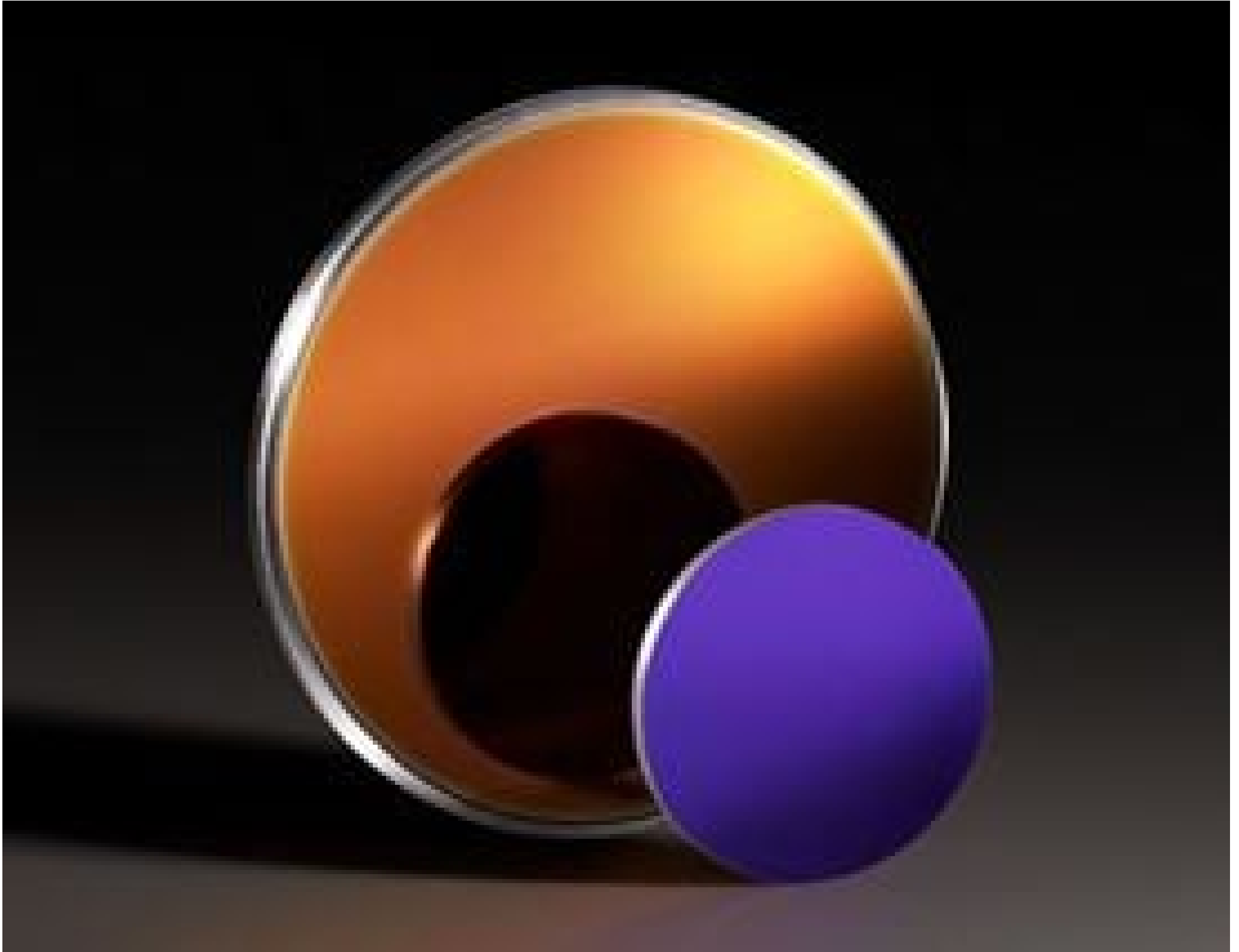


2.40µm, 50mm Diameter, Infrared Longpass Filter



Infrared (IR) Longpass Filters

Stock #68-659 3-4 DAYS

⊖ 1 ⊕ €525.⁰⁰

ADD TO CART

Qty 1-9
€525,00

Qty 10+
€473,00

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):
50.00 +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](#)

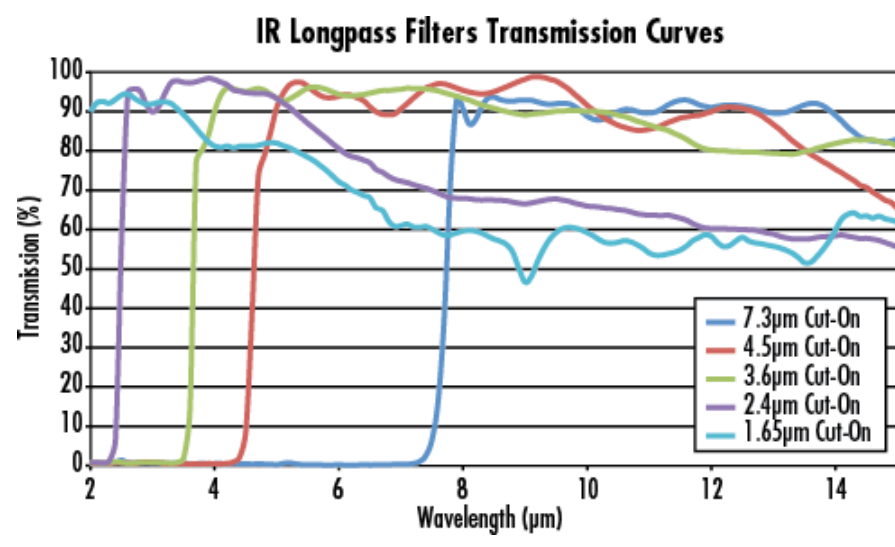
REACH 241:
[Compliant](#)

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
