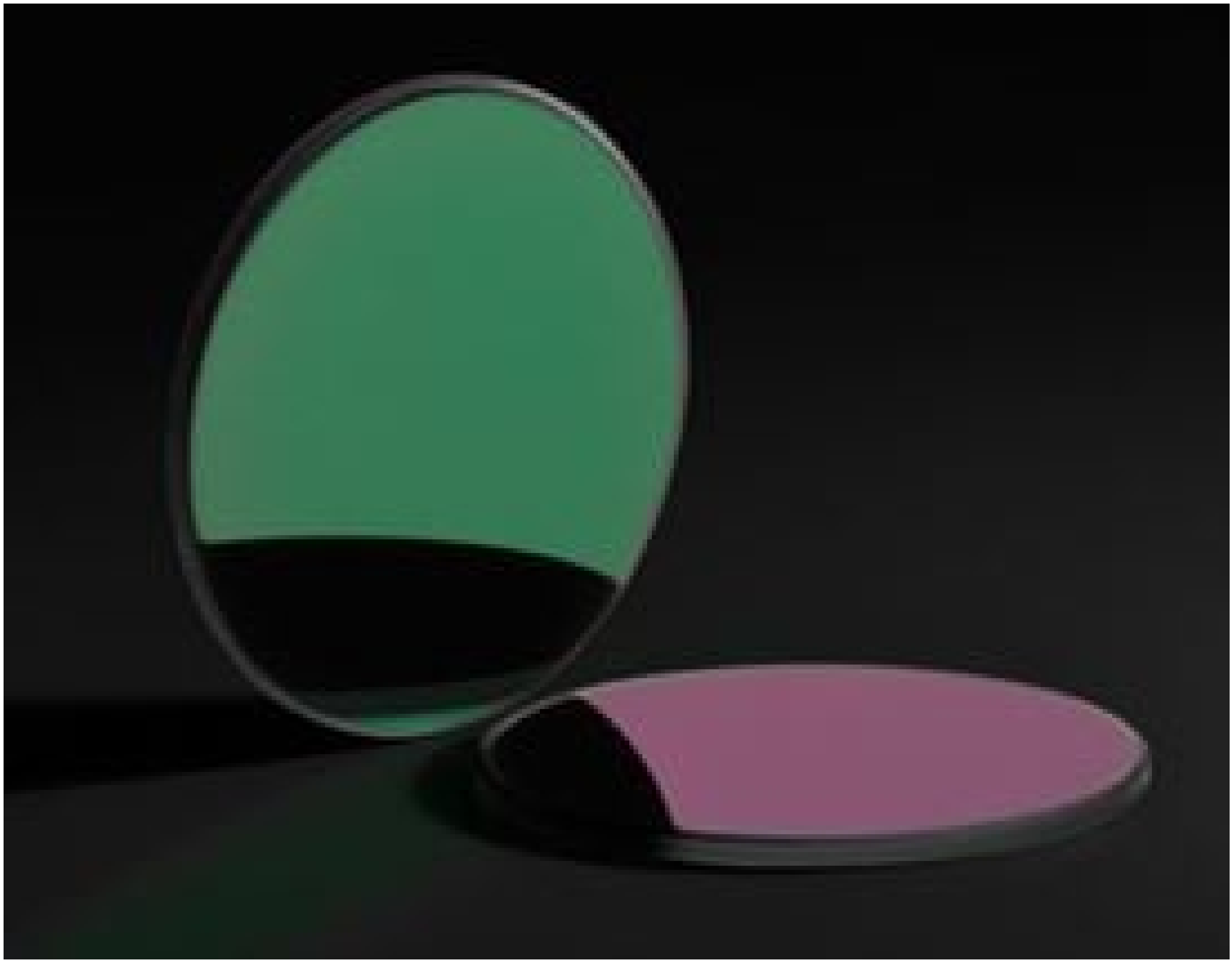
7.00µm CWL, 25.0mm Diameter, 0.50µm FWHM, IR Bandpass Filter



Stock **#17-246** **14 In Stock**

- 1 + **£648**.00

ADD TO CART

Volume Pricing	
Qty 1-9	**£648.00** each
Qty 10-25	**£581.60** each
Qty 26-49	**£551.20** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:

Bandpass Filter

Typical Applications:
Gas sensing and detection; thermal imaging

Physical & Mechanical Properties

Diameter (mm):
25.00 +0.00/-0.20

Clear Aperture CA (mm):
20.0

Thickness (mm):
1.00 ±0.2

Optical Properties

Angle of Incidence (°):
0

Optical Density OD (Average):
≥3.0

Center Wavelength CWL (nm):
7,000.00 ±70

Full Width-Half Max FWHM (nm):
500.00 ±50

Substrate:
Silicon Floatzone (SiFz)

Coating:
Traditional Coated

Surface Quality:
80-50

Transmission (%):
≥65 (at peak)

Blocking Wavelength Range (nm):
200 - 16000

Center Wavelength CWL (µm):
7.00 ±0.070

Full Width-Half Max FWHM (µm):
0.50 ±0.05

Regulatory Compliance

Certificate of Conformance:
View

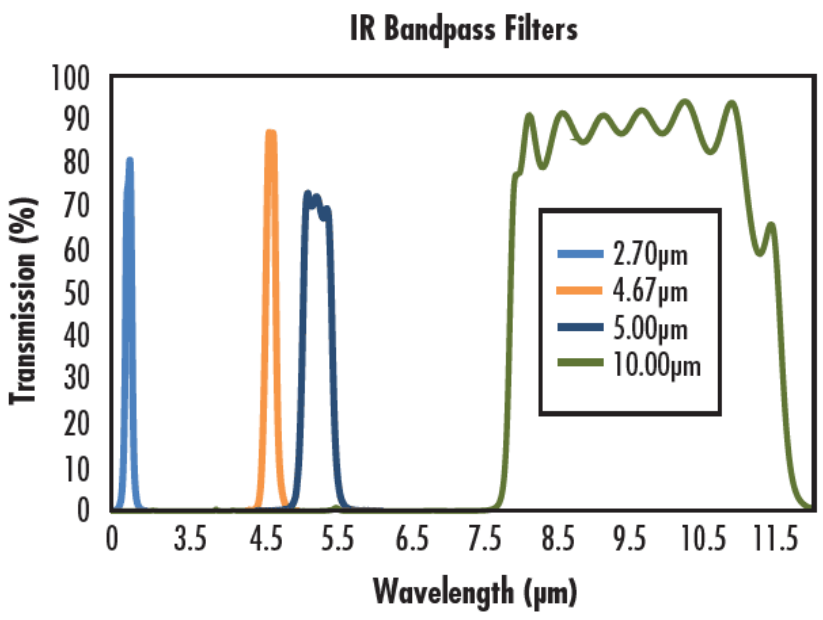
PRODUCT DETAILS

- Ideal for Gas Analysis
- Center Wavelengths of 2.7-12.4µm
- Single Substrate Interference Filter
- **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) Bandpass Filters, developed with durability in mind, provide the high transmission and deep rejection needed to isolate narrow spectral regions. The single substrate dielectric construction ensures easy maintenance, allowing for use in harsh environments. The filters are ideal for environmental monitoring, security and FLIR applications. Infrared (IR) Bandpass Filters have center wavelengths of 2.7-12.4µm. These filters are available in a 12.5, 25, or 50mm diameters, in a variety of center wavelengths.

Bandpass interference filters are used extensively in a variety of biotech, biomedical, and quantitative chemical applications to selectively transmit a narrow range of wavelengths while blocking all others. Interference filters are widely used in instrumentation for applications including clinical chemistry, environmental testing, colorimetry, elemental and laser line separation, flame photometry, fluorescence, and immunoassays. In addition, interference filters are used to select discrete spectral lines from arc or gas discharge lamps, including Hg, Xe, and Cd, and to isolate a particular line from Ar, Kr, Nd:YAG, and other lasers. Bandpass interference filters are often used in conjunction with laser diode modules and LEDs.

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