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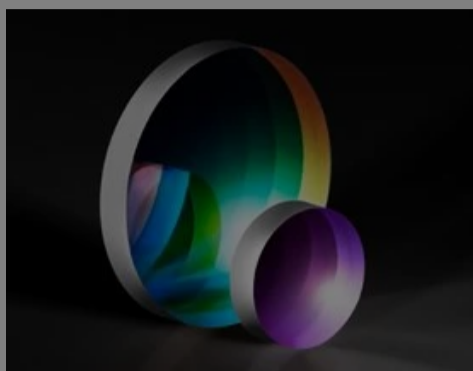
**TECHSPEC®**

# 640nm CWL, 12.5mm Unmounted Bandpass Filter

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



Stock #15-125 **20+ In Stock** [Additional Bandwidths](#)

1 €185<sup>.00</sup>

ADD TO CART

TECHSPEC® Unmounted OD 4.0 Bandpass Filters

Volume Pricing	
Qty 1-5	€185,00 each
Qty 6-25	€148,00 each
Qty 26-49	€138,75 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: Bandpass Filter

Typical Applications: SYTOX Red-DNA

## Physical & Mechanical Properties

Diameter (mm): 12.50 ±0.10

Clear Aperture CA (mm): 11.25

Thickness (mm): 3.30 ±0.20

Construction: Unmounted

Physical Durability: Adhesion per MIL-PRF-13830B, Section C.4.5.12  
Moderate abrasion per MIL-PRF-13830B, Section C.4.5.11  
Cleaning per MIL-C-48497A Section 4.5.4.2

Bevel: Protective as needed

## Optical Properties

Angle of Incidence (°): 0

Optical Density OD (Average): ≥4.0

Center Wavelength CWL (nm): 640.00 ±2

Full Width-Half Max FWHM (nm): 10.00 ±2

Substrate: Optical Glass

Minimum Transmission (%): ≥85

**Coating:** Hard Coated

**Surface Quality:** 80-50

**Blocking Wavelength Range (nm):** 200 - 1200

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### Environmental & Durability Factors

**Environmental Durability:** Humidity per MIL-STD-810H, Section 507.6  
Temperature per MIL-STD-810H, Section 501.7 and 502.7

### Regulatory Compliance

**RoHS 2015:** **Compliant**

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

**Reach 247:** **Compliant**

## Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

- Center Wavelengths from 365 to 1550nm
- 10, 25, or 50nm Full-Width Half Maximum Options
- High Transmission and Deep Blocking
- Mounted OD 4.0 **5nm**, **10nm**, **25nm** and **50nm** Bandpass Filters Also Available

TECHSPEC® Unmounted OD 4.0 Bandpass Filters are available with a 10, 25, or 50nm full-width half maximum (FWHM). The narrowband 10nm bandpass filters are ideal for laser line separation, flame photometry, or chemical detection applications. The broadband 25 and 50nm filters are used in a variety of life science and machine vision applications, including preventing photobleaching of fluorophores and improving the signal to noise ratio of imaging systems. TECHSPEC Unmounted OD 4.0 Bandpass Filters are designed with center wavelengths from 365 to 1550nm, covering common laser lines and spectral lines, and provide OD 4.0 blocking outside of their passband. Standard diameter sizes of 12.5 and 25mm facilitate integration into benchtop optical systems or life science instrumentation.

## Frequently Purchased Together



#32-313 - 12.5mm Dia. x 30mm FL, MgF<sub>2</sub> Coated, Achromatic Doublet Lens  
**€86,00**

Qty



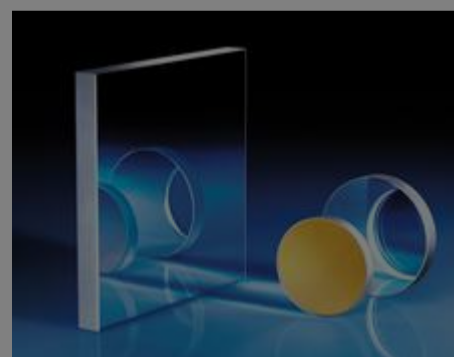
#32-720 - 15mm Dia. x 30mm FL, MgF<sub>2</sub> Coated, Achromatic Doublet Lens  
**€104,00**

Qty



#32-921 - 40mm Dia. x 120mm FL, MgF<sub>2</sub> Coated, Achromatic Doublet Lens  
**€181,00**




































Qty



#32-942 - 12.5mm Dia Enhanced Aluminum, 4-6λ Mirror  
**€28,50**


















Qty

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Thin Mount				€19,50	10 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Thin Mount					17 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-865	€43,50 <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., L-Slot Direct Mount	Fixed		#36-416	€59,00 <a href="#">Request Quote</a>	17 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Side Flange Direct Mount	Fixed		#36-418	€59,00 <a href="#">Request Quote</a>	10 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 2.0 - 35.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-668	€63,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	€83,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-850	€93,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-417	€96,50 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Compact Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#34-720	€101,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 5.0 - 25.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-529	€102,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-853	€104,00 <a href="#">Request Quote</a>	15 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	€106,00 <a href="#">Request Quote</a>	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>	 12.5/12.7mm Optic Dia., Compact Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#34-721	€117,00 <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"/> 
	4.0 - 36.0mm Optic Dia., Self	Fixed		#16-077	€157,00 <a href="#">Request</a>	5 In Stock <input type="text" value="1"/> 

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	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	 Centering Jaw Clamp				<a href="#">Quote</a>	
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws					20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-817	€182,00 <a href="#">Request Quote</a>	20+ 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>	5 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Top Adjust Kinematic Mount, Lead Screw	Adjustable - Tip-Tilt		#13-768	€270,00 <a href="#">Request Quote</a>	6 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 12.5/12.7mm Optic Dia., Top Adjust Kinematic Mount, Micrometer	Adjustable - Tip-Tilt		#13-769	€289,00 <a href="#">Request Quote</a>	5 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
- Video
- Published Article
- FAQ
- Glossary
- Trending in Optics

**APPLICATION NOTE**

The Importance of Optical Filter Orientation...

**APPLICATION NOTE**

Custom Bandpass Filter using Shortpass an...

**VIDEO**

Optical Filters Review

**VIDEO**

Optical Filter Coatings: Comparison of Traditional a...

**PUBLISHED ARTICLE**

Selecting Color Filter Glass for Life Science Applications

**FAQ**

What type of material should I look for in a filter?

[View More](#)

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