

[All Products](#) / [Optics](#) / [Optical Filters](#) / [Hard Coated OD 4.0 10nm Bandpass Filters](#)

[See all 298 Products in Family](#)

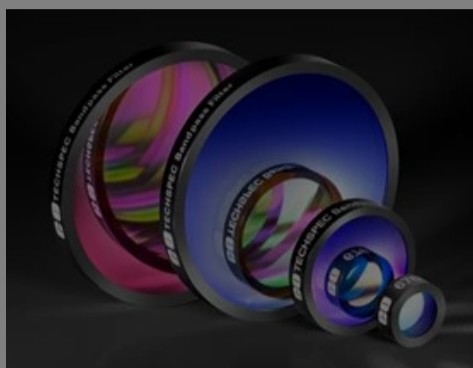
TECHSPEC®

671nm CWL, 12.5mm Diameter 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



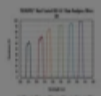
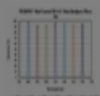
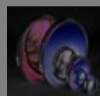
Stock #65-111 **1 In Stock** [Additional Bandwidths](#)

1

€186⁰⁰

ADD TO CART

TECHSPEC Hard Coated OD 4.0 10nm Bandpass Filters



Volume Pricing

Qty 1-5 €186,00 each

Qty 6-25 €149,00 each

Qty 26-49 €139,50 each

Need More? [Request Quote](#)

Prices shown are exclusive of VAT/local taxes

Product Downloads



STEP:step



Curve:pdf



PDF Drawing:pdf



IGES:igs



eDrawing:easm



EO Spec Sheet



[Download All](#)

General

Type: Bandpass Filter

Typical Applications: Emission Sodium Green

Physical & Mechanical Properties

Diameter (mm): 12.50 +0.0/-0.1

Clear Aperture CA (mm): 8.5

Construction: Mounted in Black Anodized Ring

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

Substrate Thickness (mm): 3.5 ±0.5 typical

Optical Properties

Angle of Incidence (°): 0

Optical Density OD (Average): ≥4.0

Center Wavelength CWL (nm): 671.00 ±2.0

Full Width-Half Max FWHM (nm): 10.00 ±2.0

Full Width-Half Max FWHM: ±2.0

Substrate: Optical Glass

Tolerance (nm):		
Minimum Transmission (%):	≥85	Coating: Hard Coated
Surface Quality:	80-50	

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:

Threading & Mounting

Mount Thickness (mm):	5.0 ±0.1	
------------------------------	----------	--

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

- Ideal for Life Sciences or Chemical Analysis
- Available in UV, VIS, and IR Center Wavelengths
- Feature High Performance Hard Coatings
- Hard Coated OD 4.0 **5nm**, **25nm**, and **50nm** Bandpass Filters Also Available

TECHSPEC® Hard Coated OD 4.0 10nm Bandpass Filters are narrowband filters used extensively in applications including flame photometry, elemental or laser line separation, fluorescence, laser diode cleanup, or chemical detection or analysis. These optical filters offer steep slopes with deep blocking to achieve high performance in demanding applications. TECHSPEC Hard Coated OD 4.0 10nm Bandpass Filters feature durable hard coatings to minimize filter degradation while increasing transmission. The bandpass filters are available in UV, VIS, and IR center wavelengths.

Note: These filters are optimized for high spectral performance rather than high Laser Induced Damage Thresholds (LIDT). A typical LIDT for these filters is 1 J/cm² @ 532nm, 10ns. Please [contact us](#) if you require a filter with a higher LIDT value.

Technical Information

Accessories

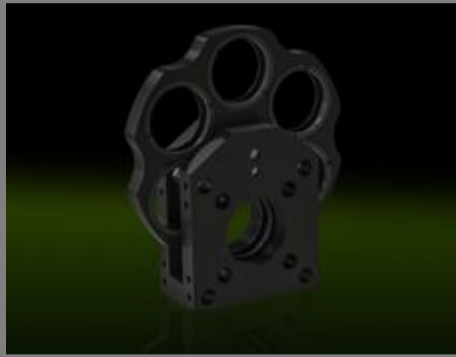
Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	12.5mm Dia., Nd:YAG Hard Coated OD 4.0 10nm Bandpass Filter		#15-097	€700,00	CONTACT US 1
MORE+	25mm Dia., Nd:YAG Hard Coated OD 4.0 10nm Bandpass Filter				CONTACT US 1
MORE+	50mm Dia., Nd:YAG Hard Coated OD 4.0 10nm Bandpass Filter				CONTACT US 1

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:

Related Products



Manual Cage Filter Wheel



C, S, and T-Mount Circular Optic Mounts

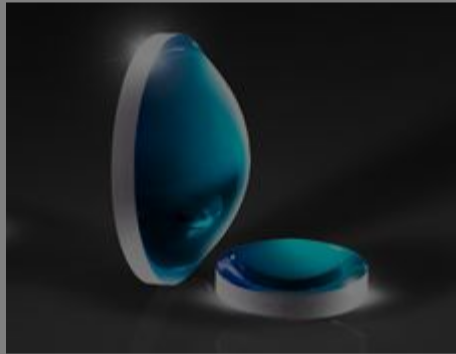


Cotton-Tipped Swab Applicators



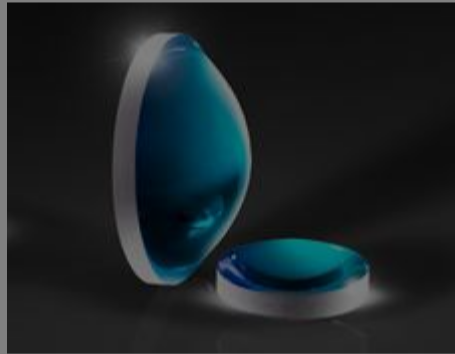
Hard Coated OD 4.0 5nm Bandpass Filters

Frequently Purchased Together



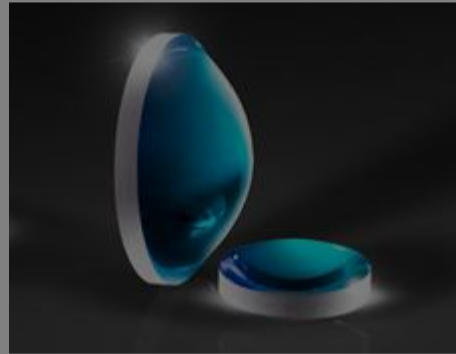
#35-039 - 12mm Dia. x 7.5mm FL, MgF₂ Molded Aspheric Condenser Lens
€47,75

Qty



#35-040 - 12mm Dia. x 10.5mm FL, MgF₂ Molded Aspheric Condenser Lens
€47,75

Qty



#35-065 - 12mm Dia. x 12.5mm FL, MgF₂ Molded Aspheric Condenser Lens
€47,75

Qty







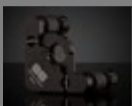























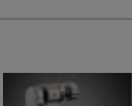



#43-370 - 12.7mm Diameter x 15mm FL, PCX Condenser Lens
€33,00

Qty













Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	12.5/12.7mm Optic Dia., SM05 Thin Mount, M4	Fixed		#13-789	€19,50 Request Quote	10 In Stock 1
MORE+	12.5/12.7mm Optic Dia., SM05 Thin Mount, 8-32	Fixed		#13-790	€19,50 Request Quote	17 In Stock 1
MORE+	12.5/12.7mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-865	€43,50 Request Quote	6 In Stock 1
MORE+	12.5/12.7mm Optic Dia., L-Slot Direct Mount	Fixed		#36-416	€59,00 Request Quote	17 In Stock 1

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	 12.5/12.7mm Optic Dia., 50mm Flange Diameter, Direct Mount				€59,00	10 In Stock <input type="text" value="1"/> 
MORE+	 2.0 - 35.0mm Optic Dia., 1.5mm Screw Adjust, Ring Mount					20+ In Stock <input type="text" value="1"/> 
MORE+	 9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	€83,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 12.5/12.7mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-850	€93,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 12.5/12.7mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-417	€96,50 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 12.5/12.7mm Optic Dia., Compact Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#34-720	€101,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 5.0 - 25.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-529	€102,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 12.5/12.7mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-853	€104,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	€106,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	€108,00 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+	 7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 12.5/12.7mm Optic Dia., Compact Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#34-721	€117,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	€157,00 Request Quote	5 In Stock <input type="text" value="1"/> 
MORE+	 12.5/12.7mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-814	€161,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 12.5/12.7mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-817	€182,00 Request Quote	20+ In Stock <input type="text" value="1"/> 

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:

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	12.5/12.7mm Optic Dia., X-Y-Z Translating Mount				€261,00	7 In Stock <input type="text" value="1"/> 
MORE+ 	12.5/12.7mm Optic Dia., Top Adjust Kinematic Mount, Lead					6 In Stock <input type="text" value="1"/> 
MORE+ 	12.5/12.7mm Optic Dia., Top Adjust Kinematic Mount, Micrometer	Adjustable - Tip-Tilt		#13-769	€289,00 Request Quote	5 In Stock <input type="text" value="1"/> 
MORE+ 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	12.5/12.7mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#84-640	€421,00 Request Quote	7 In Stock <input type="text" value="1"/> 
MORE+ 	12.5/12.7mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-958	€429,00 Request Quote	5 In Stock <input type="text" value="1"/> 

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:

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](#)

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: