

TECHSPEC®

520nm CWL, 12.5mm Dia., Hard Coated OD 4.0 10nm Bandpass Filter



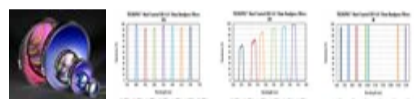
Stock #65-093 **20+ In Stock** Additional Bandwidths

- 1 +

£148^{.80}

ADD TO CART

TECHSPEC Hard Coated OD 4.0 10nm Bandpass Filters



Volume Pricing	
Qty 1-5	£148.80 each
Qty 6-25	£119.20 each
Qty 26-49	£111.60 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: 6-JOE, 5-CaboxyFluorescein, Dragon 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): 520.00 ±2.0

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

Full Width-Half Max ±2.0

Substrate: Optical Glass

FWHM Tolerance (nm):			
Minimum Transmission (%):	≥85	Coating:	Hard Coated
Surface Quality:	80-50	Blocking Wavelength Range (nm):	200 - 1200

Threading & Mounting

Mount Thickness (mm):	5.0 ±0.1		
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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		
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Regulatory Compliance

RoHS 2015:	Compliant	Certificate of Conformance:	View
REACH 241:	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 Kit (4 Filters)		#15-097	£560.00 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	25mm Dia., Nd:YAG Hard Coated OD 4.0 10nm Bandpass Filter Kit (4 Filters)		#15-098	£900.00 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	50mm Dia., Nd:YAG Hard Coated OD 4.0 10nm Bandpass Filter Kit (4 Filters)		#15-099	£2,208.00 Request Quote	CONTACT US <input type="text" value="1"/>

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



#32-313 - 12.5mm Dia. x 30mm
FL, MgF₂ Coated, Achromatic
Doublet Lens
£68.80



#32-330 - 10mm, Uncoated, N-BK7
Right Angle Prism
£45.60







































#32-332 - 15mm, Uncoated, N-BK7
Right Angle Prism
£55.60















#32-553 - 15mm Uncoated
Dove Prism
£108.00

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	12.5/12.7mm Optic Dia., SM05 Thin Mount, M4	Fixed		#13-789	£15.60 Request Quote	10 In Stock <input type="text" value="1"/>
MORE+	12.5/12.7mm Optic Dia., SM05 Thin Mount, 8-32	Fixed		#13-790	£15.60 Request Quote	17 In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	12.5/12.7mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-865	£34.80 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	12.5/12.7mm Optic Dia., L-Slot Direct Mount	Fixed		#36-416	£47.20 Request Quote	17 In Stock <input type="text" value="1"/> 
MORE+ 	12.5/12.7mm Optic Dia., Side Flange Direct Mount	Fixed		#36-418	£47.20 Request Quote	10 In Stock <input type="text" value="1"/> 
MORE+ 	2.0 - 35.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-668	£50.40 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	£66.40 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	£74.40 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	£77.20 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	£80.80 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	£81.60 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	£83.20 Request Quote	15 In Stock <input type="text" value="1"/> 
MORE+ 	7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	£84.80 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	£86.40 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	£92.80 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	£93.60 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	£96.00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	£125.60 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	£128.80 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	£145.60 Request Quote	20+ In Stock <input type="text" value="1"/> 

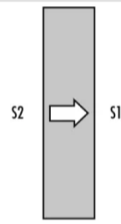
	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	12.5/12.7mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-955	£208.80 Request Quote	5 In Stock <input type="text" value="1"/> 
MORE+ 	12.5/12.7mm Optic Dia., Top Adjust Kinematic Mount, Lead Screw	Adjustable - Tip-Tilt		#13-768	£216.00 Request Quote	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	£231.20 Request Quote	5 In Stock <input type="text" value="1"/> 
MORE+ 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	£328.00 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	12.5/12.7mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#84-640	£336.80 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	£343.20 Request Quote	5 In Stock <input type="text" value="1"/> 

Check out our full selection of mounts [here](#).

Resources

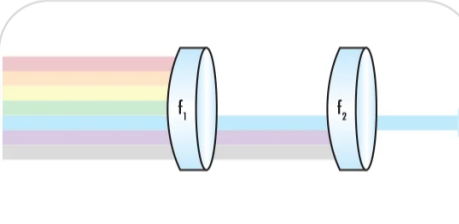
Media Type

- 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


0:50



VIDEO


Optical Filter Coatings: Comparison of Traditional a...

2:31



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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