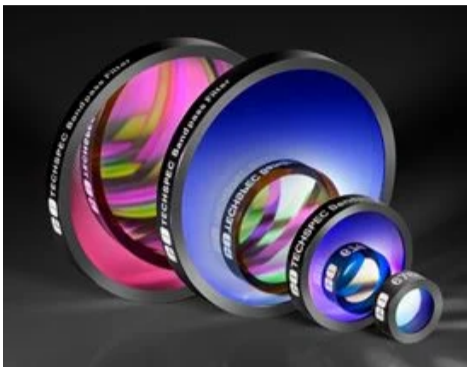


**TECHSPEC®**

# 766nm CWL, 50mm Dia., Hard Coated OD 4.0 10nm Bandpass Filter


 Stock #65-238 [CONTACT US](#)

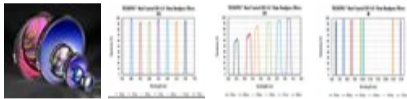
- 1 +

MRP ₹71,632

Price inclusive of all taxes

[ADD TO CART](#)

TECHSPEC Hard Coated OD 4.0 10nm Bandpass Filters



Volume Pricing	
Qty 1-5	₹71,632 each
Qty 6-25	₹57,306 each
Qty 26-49	₹53,724 each
Need More?	<a href="#">Request Quote</a>

Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
eDrawing:easm	
EO Spec Sheet	<a href="#">Download All</a>

## General

<b>Type:</b> Bandpass Filter	<b>Typical Applications:</b> ATTO 740, To-Pro 5, ICG, IRDye800RS
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## Physical & Mechanical Properties

<b>Diameter (mm):</b> 50.00 +0.0/-0.1	<b>Clear Aperture CA (mm):</b> 45
<b>Construction:</b> Mounted in Black Anodized Ring	<b>Physical Durability:</b> 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
<b>Substrate Thickness (mm):</b> 3.5 ±0.5 typical	

## Optical Properties

<b>Angle of Incidence (°):</b> 0	<b>Optical Density OD (Average):</b> ≥4.0
<b>Center Wavelength CWL (nm):</b> 766.00 ±2.0	<b>Full Width-Half Max FWHM (nm):</b> 10.00 ±2.0

<b>Full Width-Half Max FWHM Tolerance (nm):</b>	±2.0	<b>Substrate:</b> ⓘ	Optical Glass
<b>Minimum Transmission (%):</b>	≥85	<b>Coating:</b>	Hard Coated
<b>Surface Quality:</b>	80-50	<b>Blocking Wavelength Range (nm):</b>	200 - 1200

### Threading & Mounting

<b>Mount Thickness (mm):</b>	5.0 ±0.1
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### Environmental & Durability Factors

<b>Environmental Durability:</b>	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

<b>RoHS 2015:</b>	<b>Compliant</b>	<b>Certificate of Conformance:</b>	<b>View</b>
<b>REACH 241:</b>	<b>Compliant</b>		
<b>Country of Origin:</b>	United States	<b>Imported By:</b>	Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91-80-6845 0000

## 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/cm<sup>2</sup> @ 532nm, 10ns. Please [contact us](#) if you require a filter with a higher LIDT value.

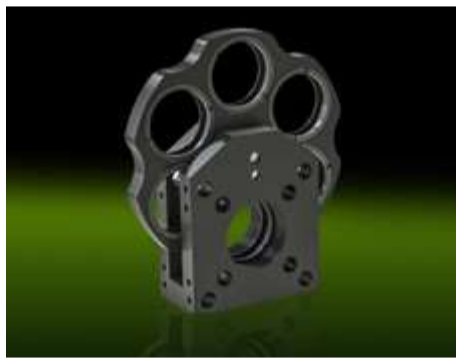
## Technical Information

### 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
<a href="#">MORE+</a>	12.5mm Dia., Nd:YAG Hard Coated OD 4.0 10nm Bandpass Filter Kit (4 Filters)		#15-097	₹70,623 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/>
<a href="#">MORE+</a>	25mm Dia., Nd:YAG Hard Coated OD 4.0 10nm Bandpass Filter Kit (4 Filters)		#15-098	₹1,13,502 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/>
<a href="#">MORE+</a>	50mm Dia., Nd:YAG Hard Coated OD 4.0 10nm Bandpass Filter Kit (4 Filters)		#15-099	₹2,78,456 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <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



#54-302 - Spectralon®  
White Diffuse Reflectance  
Standard (99%)  
₹63,189

Qty



#59-136 - 10X, NIR Draconis®  
Broadband Beam Expander  
₹93,456

Qty



#63-243 - 8mm Focal Length Lens,  
1" Sensor Format  
₹94,215































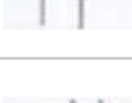





Qty









#65-116 - 766nm CWL, 12.5mm Dia.,  
Hard Coated OD 4.0 10nm  
Bandpass Filter  
₹20,582

Qty

### Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a> 	50.0mm Optic Dia., Optic Mount	Fixed		#64-567	₹4,969 <a href="#">Request Quote</a>	4 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0mm Optic Dia., Optic Mount	Fixed		#64-568	₹4,969 <a href="#">Request Quote</a>	7 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	₹8,374 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-867	₹9,685 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/> 
<a href="#">MORE+</a> 	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	₹10,896 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/> 
<a href="#">MORE+</a> 	19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	₹11,501 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	₹11,703 <a href="#">Request Quote</a>	6 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	₹12,107 <a href="#">Request Quote</a>	10 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., Optical Cell Assembly	Fixed		#36-465 <b>CLEARANCE</b>	₹12,739 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-852	₹13,621 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-855	₹15,840 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-816	₹24,819 <a href="#">Request Quote</a>	12 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-819	₹27,039 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-957	₹31,074 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., Kinematic Mirror Mount	Adjustable - Tip-Tilt		#55-005	₹36,422 <a href="#">Request Quote</a>	6 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., Kinematic Mirror Mount with Micrometer	Adjustable - Tip-Tilt		#56-326	₹39,045 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/> 
<a href="#">MORE+</a> 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	₹41,365 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#55-000	₹51,454 <a href="#">Request Quote</a>	7 In Stock <input type="text" value="1"/> 

	Title	Type	Compare	Stock Number	Price	Buy
 	50.0/50.8mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-960	₹61,039 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-778	₹84,748 <a href="#">Request Quote</a>	10 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

**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?

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