

# 254nm CWL, 10nm FWHM, 50mm Mounted Diameter



Stock #67-875 **1 In Stock** Additional Bandwidths

1 MRP ₹55,995

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-9	₹55,995 each
Qty 10-25	₹50,445 each
Qty 26-49	₹47,923 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

## General

<b>Type:</b> Bandpass Filter	<b>Typical Applications:</b> Mercury Emission
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## Physical & Mechanical Properties

<b>Diameter (mm):</b> 50.00 +0.00/-0.25	<b>Clear Aperture CA (mm):</b> 45.0
<b>Construction:</b> Mounted in Black Anodized Ring	

## Optical Properties

<b>Angle of Incidence (°):</b> 0	<b>Optical Density OD (Average):</b> ≥4.0
<b>Center Wavelength CWL (nm):</b> 254.00 +3.0/-0.0	<b>Center Wavelength CWL Tolerance (nm):</b> +3.0/-0.0
<b>Full Width-Half Max FWHM (nm):</b> 10.00 ±2	<b>Full Width-Half Max FWHM Tolerance (nm):</b> ±2
<b>Minimum Transmission (%):</b> >12	<b>Coating:</b> Traditional Coated
<b>Surface Quality:</b> 80-50	<b>Blocking Wavelength Range (nm):</b> 200 - 10000

## Threading & Mounting

<b>Mount Thickness (mm):</b> 3.5	
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## Environmental & Durability Factors

**Operating Temperature (°C):** -50 to +50

## Regulatory Compliance

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

**Certificate of Conformance:** **View**

**REACH 241:** **Compliant**

**Country of Origin:** United States

**Imported By:** 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

- Available in UV, Visible, and IR Center Wavelengths
- 10 – 80nm Bandwidths Available
- Ideal for Biomedical Applications and Instrumentation Integration
- 193-399nm, **400-699nm**, and **700-1650nm** CWL Options Available

Traditional Coated Bandpass 193 – 399nm Interference Filters are used to selectively transmit a narrow range of wavelengths while blocking all others. They are ideal for a range of biomedical and quantitative chemical applications. Bandpass interference filters are widely used in instrumentation for various applications, including clinical chemistry, environmental testing, colorimetry, elemental and laser line separation, flame photometry, fluorescence, and immunoassays. In addition, Traditional Coated Bandpass 193 – 399nm Interference Filters are used to select discrete spectral lines from arc or gas discharge lamps and to isolate a particular line from Ar, Kr, Nd:YAG, and other lasers. Traditional Coated Bandpass 193 – 399nm Interference Filters are often used in conjunction with [laser diode modules](#) and [LEDs](#).

### Traditional Coated Filters

Traditional coated filters are fabricated in three sections, one of which determines the center wavelength (CWL), bandwidth (FWHM), and the shape of the transmittance curve while the other two control the blocking range of the filter. The bandpass section of Traditional Coated Bandpass Interference Filters is made by repetitive vacuum deposition of thin layers of partially reflecting dielectric compounds on a glass substrate. Rejection of wavelengths resulting from destructive interference is limited to within 15% of the central wavelength, therefore, additional glass or metallic blockers must be added to reduce out-of-band transmittance. Metallic blockers, such as layers of silver, reflect and absorb radiation outside of the filter passband and negate higher order passbands from X-ray to the long-wave infrared (LWIR). The blocking capabilities of metallic blockers are augmented by the addition of color transmitting glass and custom dyes that absorb UV or long wavelength radiation. After thin film deposition is complete, the three sections are scribed, laminated, cut, and mounted.

## Technical Information

## Related Products



Optic Component Mounts



C, S, and T-Mount Circular Optic Mounts



Cotton-Tipped Swab Applicators



Hard Coated OD 4.0 10nm Bandpass Filters

## Frequently Purchased Together



#58-960 - 1" Length, 8-32 Stud, Steel Post  
₹951

Qty



#59-006 - 2" Post Holder and #03-655, Post Holder Assembly  
₹3,254

Qty



#67-867 - 200nm CWL, 10nm FWHM, 50mm Mounted Diameter  
₹62,552

Qty



























#67-868 - 214nm CWL, 10nm FWHM, 50mm Mounted Diameter  
₹62,552

Qty

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	50.0mm Optic Dia., Optic Mount	Fixed		#64-567	₹4,969 <a href="#">Request Quote</a>	4 In Stock <input type="text" value="1"/>
	50.0mm Optic Dia., Optic Mount	Fixed		#64-568	₹4,969 <a href="#">Request Quote</a>	7 In Stock <input type="text" value="1"/>
	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"/>
	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"/>
	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"/>
	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"/>
	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"/>
	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"/>

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., Optical Cell Assembly	Fixed		<b>#36-465</b> CLEARANCE	₹12,739 Request Quote	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		<b>#58-852</b>	₹13,621 Request Quote	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		<b>#58-855</b>	₹15,840 Request Quote	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		<b>#26-816</b>	₹24,819 Request Quote	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		<b>#26-819</b>	₹27,039 Request Quote	CONTACT US <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		<b>#62-957</b>	₹31,074 Request Quote	1 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., Kinematic Mirror Mount	Adjustable - Tip-Tilt		<b>#55-005</b>	₹36,422 Request Quote	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		<b>#56-326</b>	₹39,045 Request Quote	CONTACT US <input type="text" value="1"/> 
<a href="#">MORE+</a> 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		<b>#16-078</b>	₹41,365 Request Quote	CONTACT US <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		<b>#55-000</b>	₹51,454 Request Quote	7 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		<b>#62-960</b>	₹61,039 Request Quote	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	50.0/50.8mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		<b>#13-778</b>	₹84,748 Request Quote	10 In Stock <input type="text" value="1"/> 

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

## Resources

### Media Type

- Application Note
- Scientific Paper
- FAQ

#### APPLICATION NOTE

The Importance of Optical Filter Orientation....

#### SCIENTIFIC PAPER

Ultraviolet fatigue testing of laser optics

#### APPLICATION NOTE

UV Optics: Tolerances and Different...

Glossary

Video

Published Article

Trending in Optics

**APPLICATION NOTE**

Why Laser  
Damage  
Testing is  
Critical for UV...

**? FAQ**

Can BK7 be  
used for UV  
applications?

**GLOSSARY**

Ultraviolet (UV)  
Spectrum

[View More](#)