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**TECHSPEC®**

# 624nm CWL, 25mm Diameter, 40nm Bandwidth, 93% Transmission, 2.0mm Thick, 1/2" Dia. Mount, Fluorescence Filter

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Stock #67-035 **20+ In Stock** [Additional Bandwidths](#)

- 1 +

€357<sup>,00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€357,00 each
Qty 6-25	€285,00 each
Qty 26-49	€268,00 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:easm
- EO Spec Sheet
- [Download All](#)

## General

**Type:** Bandpass Filter

**Compatible Fluorophore:** Texas Red Emission / Cy5 Excitation

## Physical & Mechanical Properties

**Diameter (mm):** 25.00 +0.00/-0.10

**Clear Aperture CA (mm):** 21.21

**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):** 2.00 ±0.25

## Optical Properties

**Angle of Incidence (°):** 0 ±5

**Bandwidth (nm):** 40.00

**OD 6 Blocking Wavelength Range (nm):** 465 - 595

**Optical Density OD (Average):** ≥6.0

**Average Transmission (%):** >93 over Bandwidth

**Center Wavelength CWL (nm):** 624.00

<b>Full Width-Half Max FWHM (nm):</b>	46.00	<b>Substrate:</b> <a href="#">i</a>	<b>Fused Silica</b> (Corning 7980)
<b>Coating:</b>	Hard Coated	<b>Surface:</b>	60-10
<b>Transmission (%):</b>	93.00	<div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.</p> <p><b>Select Your Country/Region:</b></p> </div>	
<b>Transmitted Wavefront, RMS:</b>	$\lambda/4$ (prior to coating)		

## Threading & Mounting

<b>Mount Thickness (mm):</b>	3.5 ±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 247:</b>	<b>Compliant</b>		

## 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

- Common Wavelengths for Popular Fluorophores
- Excitation Filters and Emission Filters Available
- >93% Transmission
- >OD 6 Blocking, <3% from Edge of Bandwidth
- **Fluorescence Filter Sets** and **Pre-Mounted Fluorescence Filter Cube Sets** Also Available

Our TECHSPEC® Fluorescence Bandpass Filters perfectly match common fluorophores' absorption and emission characteristics in fluorescence imaging applications. Excitation and emission filters are available, featuring high transmissions in the passband ( $\geq 93\%$  for VIS designs) and >OD 6 blocking outside of the passband. These filters are also ideal components in applications using spectroscopic fluorescence detection, including analytical chemistry and biomedical instruments such as DNA sequencers and polymerase chain reaction (qPCR) devices. Each filter features state-of-the-art hard-sputtered coatings and is mounted in a black anodized ring for easy system integration.

Fluorescence microscopy and spectroscopy applications typically use a combination of three filters for each color channel (detection of individual fluorophores), an excitation and an emission bandpass filter, as well as a dichroic filter (also dichroic beamsplitters, such as our **Fluorescence Dichroic Filters** and **High-Performance Fluorescence Dichroic Filters**). More information on fluorescence microscopy and an example beam path can be found in the AppNote **Fluorophores and Optical Filters for Fluorescence Microscopy**. In short, excitation filters “clean up” the excitation light used to excite the fluorophores in the sample. On the other hand, emission filters allow only the emitted fluorescence to pass through to the detector while effectively blocking the excitation light and different wavelengths, producing high-contrast images and superior image clarity.

Our fluorescence bandpass filters are engineered with cutting-edge technology and are designed to enhance signal-to-noise ratios, improve contrast, and deliver excellent performance in optical imaging applications. These filters are designed to be widely compatible with microscopes from Nikon, Olympus, and Zeiss, making them suitable for various imaging applications, including widefield, confocal, multiphoton, and other fluorescence microscopy modalities. Whether you are imaging fixed cells, live cells, or tissues, our filters are engineered to deliver consistent and reliable image quality. Additionally, these filters can be used for fluorescence detection in qPCR, flow cytometry, or multi-well plate readers in applications such as immunofluorescence or high-throughput screening in which fluorescent molecules or dyes detect specific molecular structures or DNA sequences.

TECHSPEC® Fluorescence Bandpass Filters are optimized for maximum transmission within a specific wavelength range. They effectively isolate fluorescence signals from background noise, enhancing sensitivity and enabling more accurate detection of fluorophores. Explore our range of filters today and unleash the full potential of your fluorescence microscopy setup.

# Technical Information

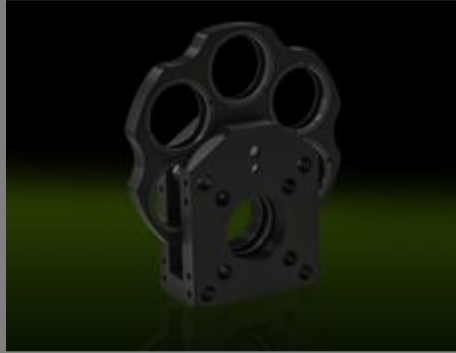
All mounted TECHSPEC® Optical Filters have a white arrow pointing to filter coated surface S1. An arrow pointing to filter coated surface S2.

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For quick reference. Filter oriented such that

**Select Your Country/Region:**

## Related Products



Manual Cage Filter Wheel



C, S, and T-Mount Circular Optic Mounts



Cotton-Tipped Swab Applicators



Multi-Band Fluorescence Bandpass Filters

## Frequently Purchased Together



#33-323 - 512nm CWL, 12.5mm Dia, 25nm Bandwidth, OD 6 Fluorescence Filter  
€284,00

Qty



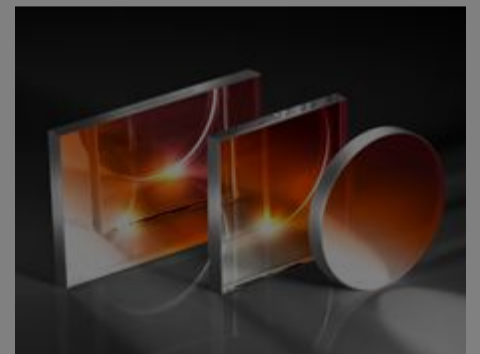
#33-327 - 631nm CWL, 25mm Dia, 21nm Bandwidth, OD 6 Fluorescence Filter  
€357,00

Qty



#33-333 - 575nm CWL, 25mm Dia, 27nm Bandwidth, OD 6 Fluorescence Filter  
€357,00

Qty

















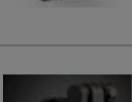

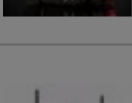



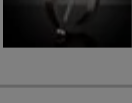













#45-853 - 25mm Dia 50R/50T, NIR Plate Beamsplitter  
€149,00

Qty













## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	€21,00 <a href="#">Request Quote</a>	8 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	€21,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	€32,75 <a href="#">Request Quote</a>	3 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-866	€43,50 <a href="#">Request Quote</a>	14 In Stock <input type="text" value="1"/>
	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"/>

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., L-Slot Mount				€68,00	15 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Side Flange Direct Mount					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 Request Quote	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Optical Cell Assembly	Fixed		#36-461 CLEARANCE	€95,95 Request Quote	2 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-851	€98,50 Request Quote	3 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	€102,00 Request Quote	5 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 Request Quote	20+ 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 Request Quote	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-854	€107,00 Request Quote	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 Request Quote	CONTACT US <input type="text" value="1"/> 
<a href="#">MORE+</a>	 19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	€114,00 Request Quote	20+ 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	€116,00 Request Quote	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 Request Quote	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 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"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-815	€161,00 Request Quote	4 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-818	€182,00 Request Quote	9 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	€276,00 Request Quote	2 In Stock <input type="text" value="1"/> 

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	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Kinematic Mirror Mount	Adjustable -			€336,00	14 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Kinematic Mirror Mount Micrometer					3 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 Request Quote	CONTACT US <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#54-999	€461,00 Request Quote	4 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	€540,00 Request Quote	6 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	€755,00 Request Quote	2 In Stock <input type="text" value="1"/> 

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

## Resources

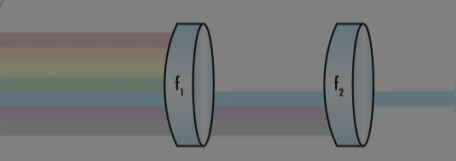
### Media Type

- Application Note
- Video
- Published Article
- FAQ
- Glossary
- Trending in Optics



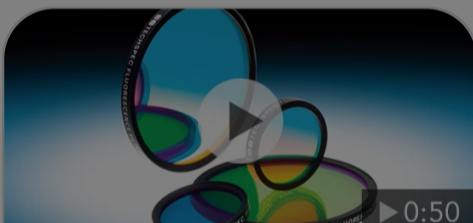
**APPLICATION NOTE**

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?

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