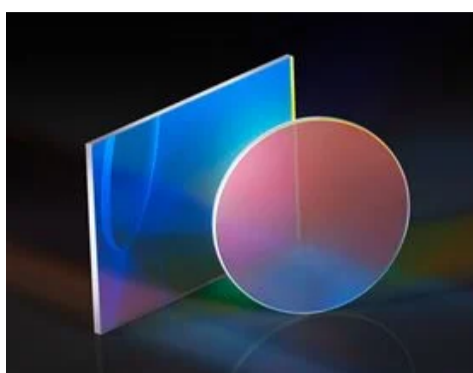


# TECHSPEC® 605nm, 25.2 x 35.6mm, Dichroic Filter



Stock #86-335 **20+ In Stock**

1 **MRP ₹27,745**

Price inclusive of all taxes

**ADD TO CART**

TECHSPEC® Fluorescence Dichroic Filter

Volume Pricing	
Qty 1-5	₹27,745 each
Qty 6-25	₹23,608 each
Qty 26-49	₹21,994 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

**Type:** Dichroic Filter

## Physical & Mechanical Properties

<b>Dimensions (mm):</b>	25.2 x 35.6	<b>Length (mm):</b>	35.60
<b>Thickness (mm):</b>	1.05 ±0.1	<b>Width (mm):</b>	25.20
<b>Dimensional Tolerance (mm):</b>	+0.0/-0.2	<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

## Optical Properties

<b>Angle of Incidence (°):</b>	45	<b>Cut-On Wavelength (nm):</b>	605.00 ±5.0
<b>Substrate:</b>	<a href="#">Fused Silica</a> (Corning 7980)	<b>Coating:</b>	Hard Coated
<b>Reflection (%):</b>	98.00 (average)	<b>Reflection Wavelength (nm):</b>	350 - 596
<b>Surface Quality:</b>	60-40	<b>Transmission (%):</b>	90.00 (average)
<b>Transmission Wavelength (nm):</b>	612 - 950	<b>Transmitted Wavefront, RMS:</b>	1λ
<b>Wavelength Range (nm):</b>	350 - 950		

## 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**

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

- Ideal for Fluorescence or Multispectral Imaging
- Sharp Transition from Reflection to Transmission
- Extended Reflection and Transmission Bands
- **High Performance Fluorescence Dichroic Filters** are also available

TECHSPEC® Fluorescence Dichroic Filters (sometimes referred to as dichroic plate beamsplitters or dichroic mirrors) feature broad, flat transmission and reflection ranges with an ultra-steep slope between them. These attributes make them ideal for fluorescence imaging or spectral sorting applications, including DNA sequencing and polymerase chain reaction (PCR) diagnostic instruments. They are a perfect complement to our [TECHSPEC® Fluorescence Bandpass Filters](#). TECHSPEC Fluorescence Dichroic Filters, in the 25.2 x 35.6mm size will fit into most common Nikon, Zeiss, and Olympus fluorescence microscopes. The other sizes are well suited to benchtop setups or OEM instrumentation requiring beam separation, beam combination, or multi-spectral detection.

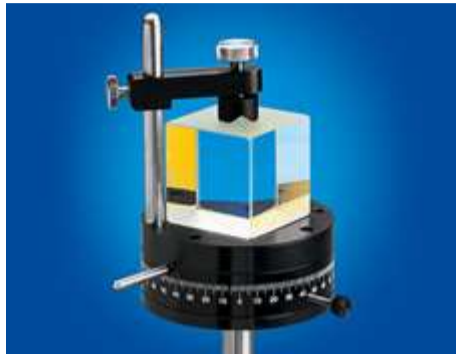
**Note:** The chevron on the edge of the filter points towards surface S1 with the primary filter coating on which the light should be incident.

## Technical Information

Filter Type	Transmitted Wavefront (RMS)	Surface Quality	Surface Flatness (P-V)	R(avg)	T(avg)
HP Dichroic	$\lambda/10$	40-20	$\lambda/2$	>98%	>90%

Filter Type	Transmitted Wavefront (RMS)	Surface Quality	Surface Flatness (P-V)	R(avg)	T(avg)
Fluorescence Dichroics	1λ	60-40	-	>98%	>90%
Dichroic Longpass	λ/4	40-20	-	>97%	>85%

## Related Products



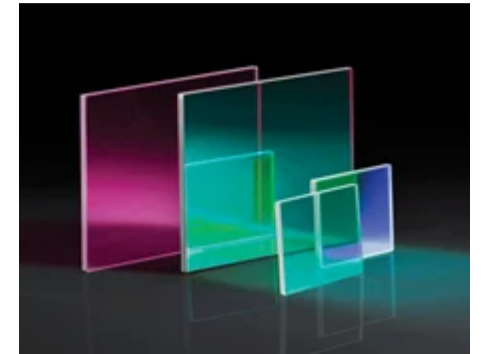
English Prism Mounts



Pre-Mounted Fluorescence Filter Cube Sets



Cotton-Tipped Swab Applicators



High Performance Fluorescence Dichroic Filters

## Frequently Purchased Together



#03-629 - C-Mount Double Male Thread Ring  
₹3,709


#27-513 - 200mm Dia x 400mm Focal Length, PCX Condenser Lens  
₹43,181


#32-014 - 12mm Dia. x 12mm FL Uncoated, Double-Convex Lens  
₹3,532


#32-020 - 6mm Dia. x 9mm FL Uncoated, Double-Convex Lens  
₹3,254

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	15mm Sq., Fixed Filter Holder	Fixed		#54-996	₹6,810 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
<a href="#">MORE+</a>	Filter Kinematic Mount, 2-Screw	Adjustable - Tip-Tilt		#58-874	₹12,309 <a href="#">Request Quote</a>	17 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
<a href="#">MORE+</a>	60mm sq - Rectangular Bar Clamp	Fixed		#54-995	₹12,712 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
<a href="#">MORE+</a>	Filter Kinematic Mount, 3-Screw	Adjustable - Tip-Tilt		#58-875	₹13,923 <a href="#">Request Quote</a>	6 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>

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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