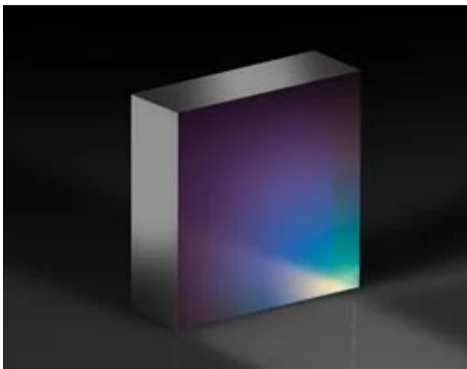


# 670nm CWL, 6x6mm, OD8 High Blocking Bandpass Filter



6x6mm OD8 High Blocking Bandpass Filter

Stock #26-723 20+ In Stock




1 MRP ₹20,078

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹20,078 each
Qty 6-25	₹16,042 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

-  Curve:pdf
-  EO Spec Sheet
-  [Download All](#)

## General

<b>Type:</b> Bandpass Filter	<b>Typical Applications:</b> qPCR
<b>Compatible Fluorophore:</b> Cy5 Emission	

## Physical & Mechanical Properties

<b>Dimensions (mm):</b> 6.0 x 6.0 +0.0/-0.25	<b>Clear Aperture CA (mm):</b> ≥5.4 Dia. (Centered)
<b>Thickness (mm):</b> 2.00 (Nominal)	<b>Construction:</b> Unmounted
<b>Edges:</b> Painted opaque flat black	

## Optical Properties

<b>Angle of Incidence (°):</b> 0 ±5	<b>Optical Density OD (Average):</b> ≥8.0
<b>Center Wavelength CWL (nm):</b> 670.00 ±1.7	<b>Full Width-Half Max FWHM (nm):</b> 25.00 (Nominal)
<b>Substrate:</b> <a href="#">BOROFLOAT®</a>	<b>Minimum Transmission (%):</b> ≥95
<b>Coating:</b> Hard Coated	<b>Surface Quality:</b> 60-40
<b>Blocking Wavelength Range (nm):</b> 350 - 850	<b>Cone Half Angle (°):</b> 5
<b>Wavelength Accuracy (%):</b> ±0.25	

## Environmental & Durability Factors

<b>Operating Temperature (°C):</b>	>100	<b>Durability:</b>	MIL-PRF-13830B
<b>Environmental Durability:</b>	MIL-STD-810E, SECTION 507.3, PROCEDURE III - AGGRAVATED CYCLE, 10 CYCLES	<b>Coating Solubility and Cleaning:</b>	MIL-C-48497A, IMMERSION IN ACETONE AND ALCOHOL

## Regulatory Compliance

<b>Certificate of Conformance:</b>	<a href="#">View</a>		
<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

- OD  $\geq 8$  Blocking and >95% Minimum Peak Transmission in the Passband
- Designed for Common qPCR Fluorophores
- Excitation Filters and Emission Filters Available

OD8 Fluorescence Bandpass Filters deliver superior OD  $\geq 8$  blocking in their blocking band while offering high transmission in their transmission band. These hard-coated interference filters feature high-precision spectral consistency and enable industry leading signal-to-noise system performance and low crosstalk. They are available in black anodized aluminum mounts or unmounted in 6 x 6mm wafers for easy system integration. OD8 Fluorescence Bandpass Filters are ideal components in applications relying on fluorescence detection that require precision spectral clean-up, such as biomedical diagnostics instruments including DNA sequencers and polymerase chain reaction (PCR) analyzers. These filters are designed with passbands for the fluorescence excitation and emission of common qPCR fluorophores in mind, namely FAM, HEX, ROX and Cy5.

## Technical Information

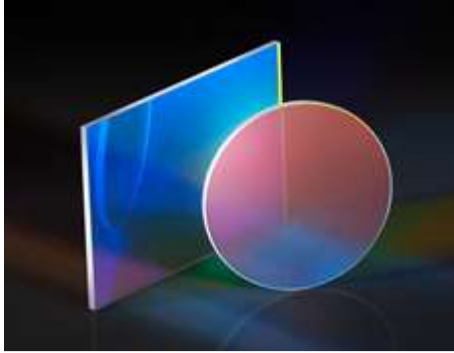
*Overlay FAM Absorption & Emission with Excitation and Emission Filters*

*Overlay HEX Absorption and Emission with Excitation and Emission Filters*

*Overlay ROX Absorption and Emission with Excitation and Emission*

*Overlay Cy5 Absorption and Emission with Excitation and Emission Filters*

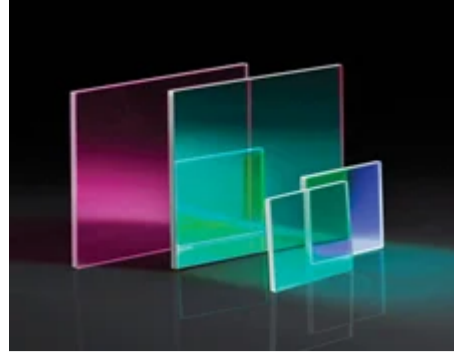
## Related Products



Fluorescence Dichroic Filters



Multi-Band Fluorescence Bandpass Filters

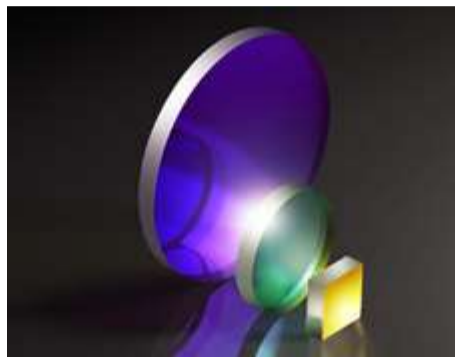


High Performance Fluorescence Dichroic Filters



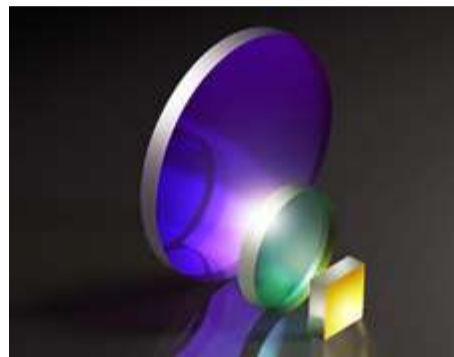
Fluorescence Bandpass Filters

## Frequently Purchased Together



#15-202 - 600nm, 6 x 6mm, OD 2.0 Longpass Filter  
₹5,045

Qty



#15-203 - 650nm, 6 x 6mm, OD 2.0 Longpass Filter  
₹5,045

Qty

## 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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