

568nm CWL, 12.5mm Dia., OD8 High Blocking Bandpass Filter



12.5mm Dia. OD8 High Blocking Bandpass Filter

Stock **#26-709** **20+ In Stock**

⊖ 1 ⊕ **\$567⁹⁹**

ADD TO CART

Volume Pricing	
Qty 1+	\$567.53 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Bandpass Filter	Type:
qPCR	Typical Applications:
HEXEmission	Compatible Fluorophore:

Physical & Mechanical Properties

12.50 +0.0/-0.1 **Diameter (mm):**

≥9.5 **Clear Aperture CA (mm):**

2.00 (Nominal) **Thickness (mm):**

Mounted in Black Anodized Ring **Construction:**

Painted opaque flat black **Edges:**

Optical Properties

0 ±5 **Angle of Incidence (°):**

≥8.0 **Optical Density OD (Average):**

568.00 ±1.5 **Center Wavelength CWL (nm):**

22.00 (Nominal) **Full Width-Half Max FWHM (nm):**

BOROFLOAT® **Substrate:**

≥95 **Minimum Transmission (%):**

Hard Coated **Coating:**

60-40 **Surface Quality:**

350 - 850 **Blocking Wavelength Range (nm):**

5 **Cone Half Angle (°):**

±0.25 **Wavelength Accuracy (%):**

Threading & Mounting

5.0 +0.00/-0.1 **Mount Thickness (mm):**

Environmental & Durability Factors

>100 **Operating Temperature (°C):**

ML-PRF-13830B **Durability:**

Environmental Durability:
ML-STD-810E, SECTION 507.3, PROCEDURE III -
AGGRAVATED CYCLE, 10 CYCLES

Coating Solubility and Cleaning:
ML-C-48497A, IMMERSION IN ACETONE AND
ALCOHOL

Regulatory Compliance

[View](#) **Certificate of Conformance:**

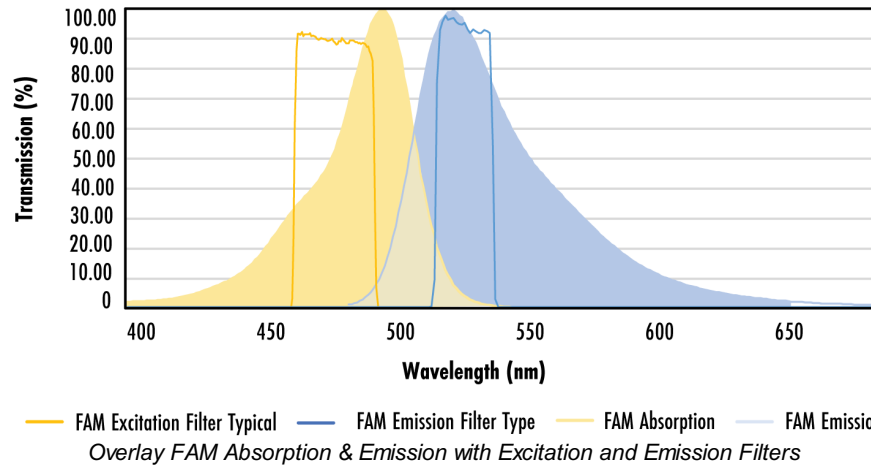
PRODUCT DETAILS

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

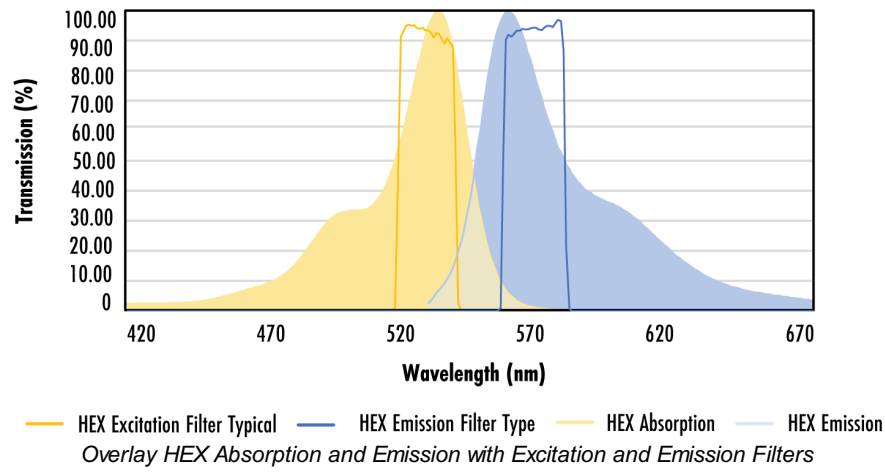
OD8 Fluorescence Bandpass Filters deliver superior OD ≥8 blocking in their blocking band while offering high transmission in their transmission band. These hard-coated interference filters feature high-precision spectral consistency and enable industry leading signal-to-noise system performance and low 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

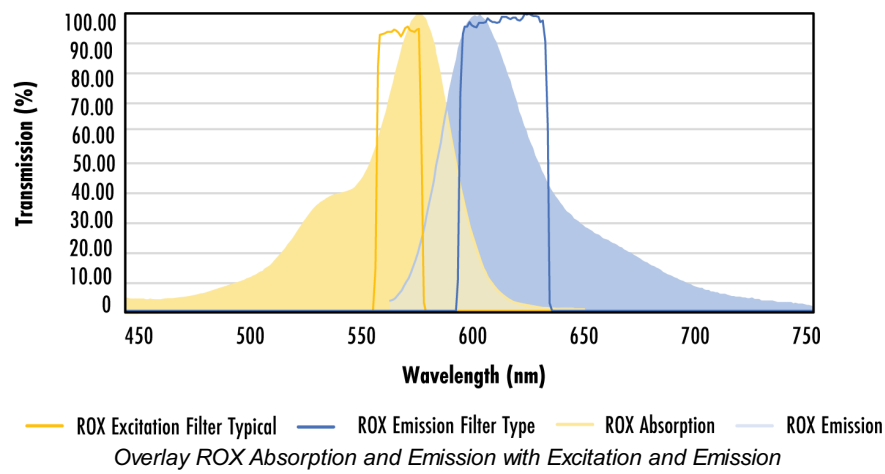
Overlay FAM Absorption & Emission with Excitation and Emission Filters



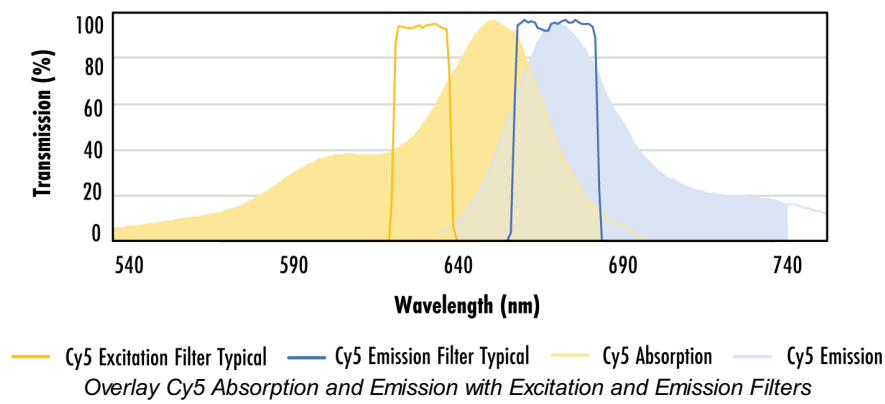
Overlay HEX Absorption & Emission with Excitation and Emission Filters



Overlay ROX Absorption & Emission with Excitation and Emission Filters



Overlay Cy5 Absorption and Emission with Excitation and Emission Filters



CUSTOM

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](#).