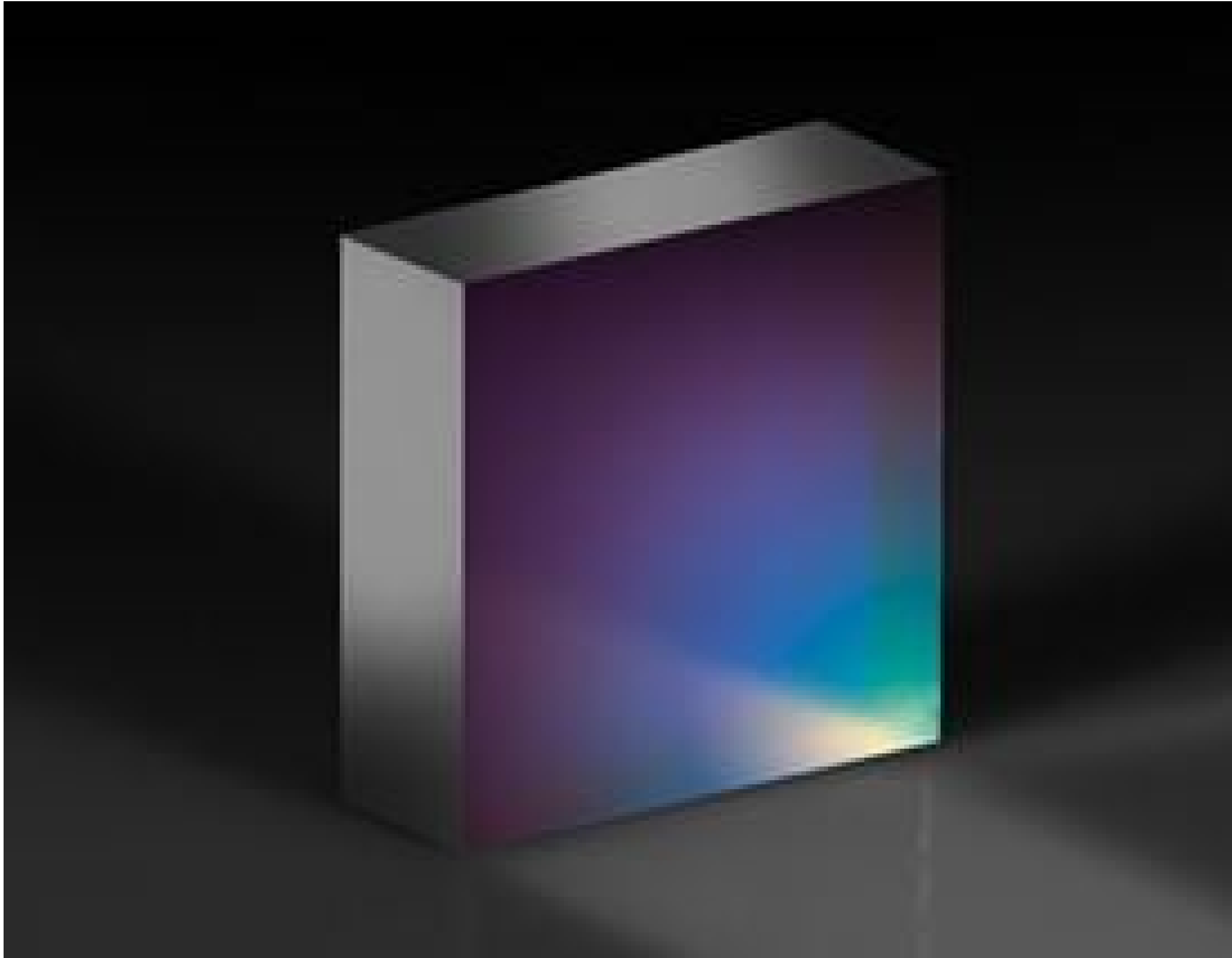


# 475nm CWL, 6x6mm, OD8 High Blocking Bandpass Filter



6x6mm OD8 High Blocking Bandpass Filter

Stock **#26-716** 20+ In Stock

-

1

+

S\$278<sup>60</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$278.60 each                |
| Qty 6-25       | S\$222.60 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                         |
|----------------------------------|-------------------------|
| Bandpass Filter                  | Type:                   |
| qPCR                             | Typical Applications:   |
| FAMExcitation                    | Compatible Fluorophore: |
| Physical & Mechanical Properties |                         |
|                                  | Dimensions (mm):        |

|                                                                          |                                  |
|--------------------------------------------------------------------------|----------------------------------|
| 6.0 x6.0 +0.0/-0.25                                                      |                                  |
| ≥5.4 Dia. (Centered)                                                     | Clear Aperture CA (mm):          |
| 2.00 (Nominal)                                                           | Thickness (mm):                  |
| Unmounted                                                                | Construction:                    |
| Painted opaque flat black                                                | Edges:                           |
| Optical Properties                                                       |                                  |
| 0 ±5                                                                     | Angle of Incidence (°):          |
| ≥8.0                                                                     | Optical Density OD (Average):    |
| 475.00 ±1.2                                                              | Center Wavelength CWL (nm):      |
| 30.00 (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 (%):         |
| Environmental & Durability Factors                                       |                                  |
| >100                                                                     | Operating Temperature (°C):      |
| MIL-PRF-13830B                                                           | Durability:                      |
| MIL-STD-810E, SECTION 507.3, PROCEDURE III - AGGRAVATED CYCLE, 10 CYCLES | Environmental Durability:        |
| MIL-C-48497A, IMMERSION IN ACETONE AND ALCOHOL                           | Coating Solubility and Cleaning: |
| Regulatory Compliance                                                    |                                  |
| View                                                                     | Certificate of Conformance:      |

## 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

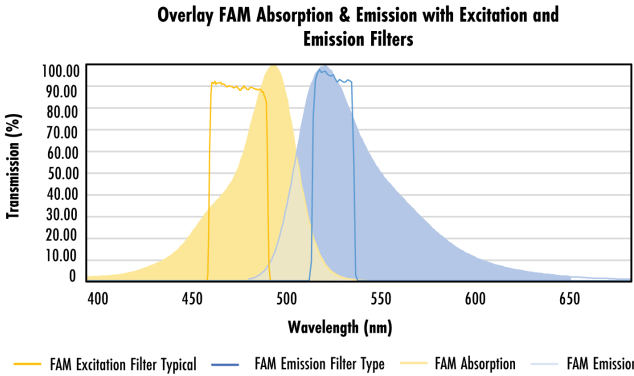
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

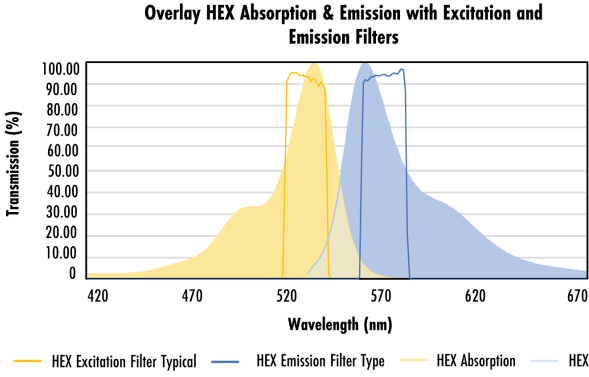
- OD ≥8 Blocking and >95% Minimum Peak Transmission in the Passband
- Designed for Common qPCR Fluorophores
- Excitation Filters and Emission Filters Available

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.

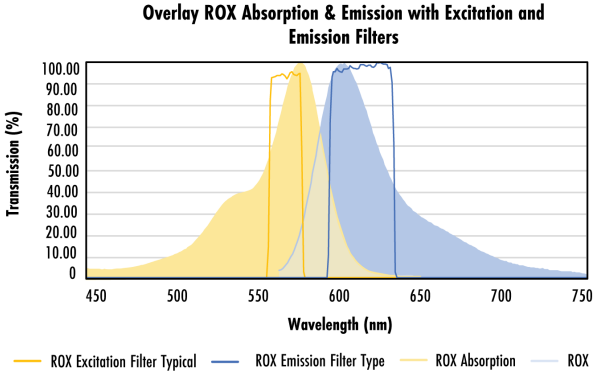
## Technical Information



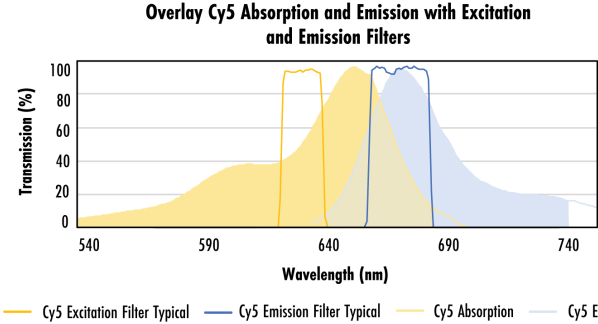
Overlay FAM Absorption & Emission with Excitation and Emission Filters



Overlay HEX Absorption 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