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528nm CWL, 6x6mm, OD8 High Blocking Bandpass Filter

6x6mm OD8 High Blocking Bandpass Filter

Stock **#26-718** **20+ In Stock**

- 1 + **£159.20**

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Volume Pricing	
Qty 1-5	**£159.20** each
Qty 6-25	**£127.20** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Bandpass Filter

Typical Applications:
qPCR

Compatible Fluorophore:
HEX Excitation

Physical & Mechanical Properties

Dimensions (mm):
6.0 x 6.0 +0.0/-0.25

Clear Aperture CA (mm):
≥5.4 Dia. (Centered)

Thickness (mm):
2.00 (Nominal)

Construction:
Unmounted

Edges:
Painted opaque flat black

Optical Properties

Angle of Incidence (°):
0 ±5

Optical Density OD (Average):
≥8.0

Center Wavelength CWL (nm):
528.00 ±1.4

Full Width-Half Max FWHM (nm):
20.00 (Nominal)

Substrate:
BOROFLOAT®

Minimum Transmission (%):
≥95

Coating:
Hard Coated

Surface Quality:
60-40

Blocking Wavelength Range (nm):
350 - 850

Cone Half Angle (°):
5

Wavelength Accuracy (%):
±0.25

Environmental & Durability Factors

Operating Temperature (°C):
>100

Durability:
MIL-PRF-13830B

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

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

Regulatory Compliance

Certificate of Conformance:
View

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

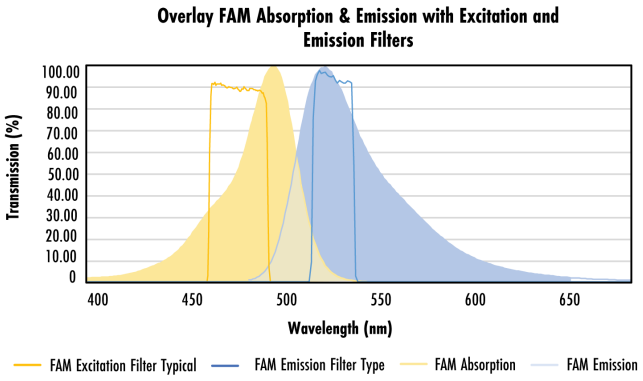
Learn more about our custom manufacturing capabilities or submit an inquiry here.

Product Details

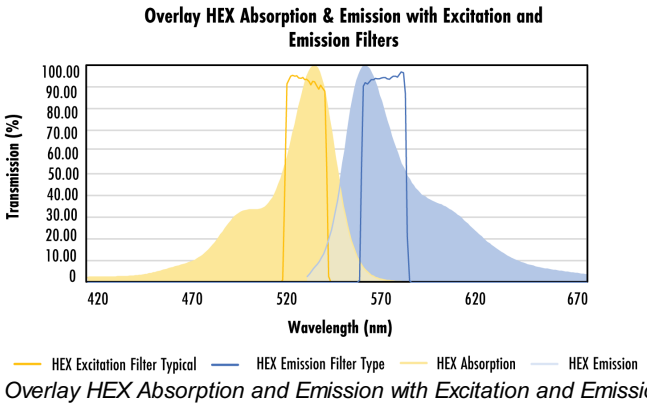
- OD ≥8 Blocking and >95% Minimum Peak Transmission in the Passband
- Designed for Common qPCR Fluorophores
- Excitation Filters and Emission Filters Available

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.

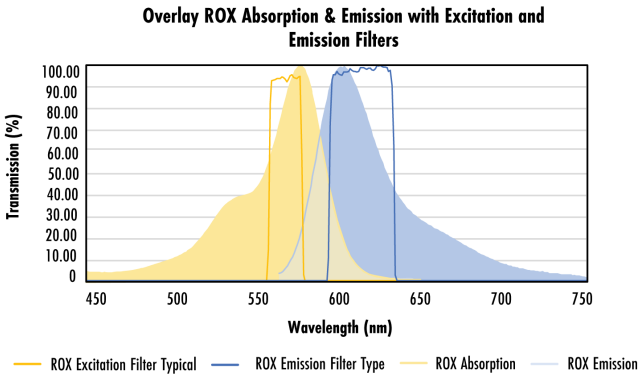
Technical Information



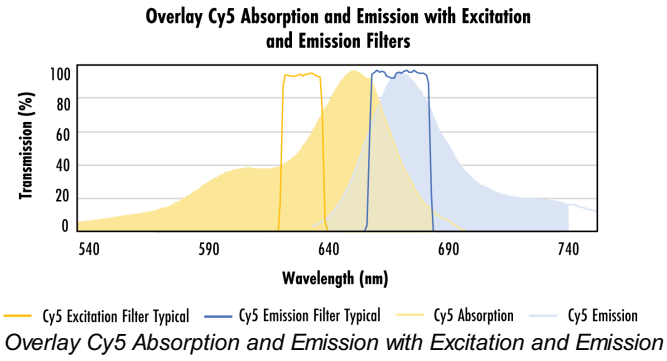
Overlay FAM Absorption & Emission with Excitation and Emission Filters



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

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