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TECHSPEC®

387nm CWL, 12.5mm Dia, 11nm Bandwidth, Unmounted OD 6 Fluorescence Bandpass Filter

Stock **#18-368** **20+ In Stock**

Additional Bandwidths

- 1 + **C$371**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**C$371.00** each
Qty 6-25	**C$296.80** each
Qty 26-49	**C$278.25** each
Need More?	Request Quote

Product Downloads

General

Type:
Bandpass Filter

Compatible Fluorophore:
DAPI Excitation / BFP & CFP Excitation

Physical & Mechanical Properties

Diameter (mm):
12.50 ±0.1

Clear Aperture CA (mm):
11.25

Thickness (mm):
2.00 ±0.1

Construction:
Unmounted

Physical Durability:
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

Bevel:
Protective as needed

Optical Properties

Angle of Incidence (°):
0 ±5

Bandwidth (nm):
11.00

OD 6 Blocking Wavelength Range (nm):
405 - 700

Optical Density OD (Average):
≥6.0

Average Transmission (%):
>90 over Bandwidth

Center Wavelength CWL (nm):
387.00

Full Width-Half Max FWHM (nm):
15.00

Substrate:
Fused Silica (Corning 7980)

Minimum Transmission (%):
90

Coating:
Hard Coated

Surface Quality:
60-40

Blocking Wavelength Range (nm):
250 -1050

Transmitted Wavefront, RMS:
λ/4 (prior to coating)

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

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

- Designed for Use With Common Fluorophores
- Excitation and Emission Filters Available

- High Transmission with Deep >OD 6.0 Blocking
- Mounted **Fluorescence Filters** and **Mounted Fluorescence Filter Sets** Also Available

TECHSPEC® Unmounted Fluorescence Bandpass Filters are designed with center wavelengths and bandwidths that match the excitation and emission wavelengths of common fluorophores. These filters feature high transmission up to >93% in their passband with deep >OD 6.0 blocking outside of their passband, resulting in high contrast images when used in fluorescence imaging systems. The low transmitted wavefront error of these filters further enhances image quality by minimizing image distortion. TECHSPEC Unmounted Fluorescence Bandpass Filters are available with a 12.5 or 25mm diameter and are ideal for integration into life science and biotech instrumentation including polymerase chain reaction (PCR) testing platforms, DNA sequencers, fluorescence detectors, flow cytometers, and fluorescence imaging systems.

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