

## 440nm CWL, >OD5, 20nm FWHM Bandpass Filter, 25mm Dia.



Hard Coated OD5 Bandpass Filters

Stock **#78-420** **3 In Stock**

⊖ 1 ⊕ C\$287<sup>00</sup>

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Qty 1+	C\$287.00 each
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### Product Downloads

### General

Bandpass Filter **Type:**

**Typical Applications:**  
Scattered light and point detection (Flow Cytometry),  
not suitable for imaging, immunophenotyping

**Note:**  
Arrow on ring indicates preferred direction of  
propagation of light.

### Physical & Mechanical Properties

**Diameter (mm):**

25.00 ±0.10

Clear Aperture CA (mm):

>22

Construction:

Mounted in Black Anodized Ring

Substrate Thickness (mm):

2.00 ±0.10

## Optical Properties

Angle of Incidence (°):

0 ±5

Bandwidth (nm):

16

Optical Density OD (Average):

>5

Center Wavelength CWL (nm):

440.00 (Nominal)

Full Width-Half Max FWHM (nm):

20.00 (Nominal)

Substrate:

Optical Grade Glass

Minimum Transmission (%):

>93 @ 432 – 448nm

Coating:

Hard Coated

Surface Quality:

80-50

Blocking Wavelength Range (nm):

330 - 900

Cone Half Angle (°):

7

## Threading & Mounting

Mount Thickness (mm):

3.50 ±0.10

## Regulatory Compliance

Certificate of Conformance:

[View](#)

## Product Details

- Suitable for Single-Point Fluorescence Detection and Flow Cytometry Applications
- 52 Distinct Design Wavelengths Covering the NUV – NIR Spectrum
- >OD5 Average Blocking from 330 – 900nm
- Mounted for Easy Handling and System Integration

Hard Coated OD5 Bandpass Filters are available in 52 distinct passbands with design wavelengths from 340 to 895nm in step increments of 10-15nm in the NUV, VIS, and NIR. These cost-efficient hard-coated filters feature high transmission (>90%) with full-width half maximum (FWHM) of 20nm, or 30nm in the NIR, for essential optical performance. Hard Coated OD5 Bandpass Filters feature high average blocking >OD5 outside the passband from 330 – 900nm, making them suited for flow cytometry and single-point fluorescence detection, such as photometry and point-scanning. All filters are mounted in 25mm diameter black anodized aluminum rings to facilitate handling and system integration.

## 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](#).