

## 410nm CWL, >OD5, 20nm FWHM Bandpass Filter, 25mm Dia.



Hard Coated OD5 Bandpass Filters

Stock #78-417 NEW **1 In Stock**

⊖ 1 ⊕ €200<sup>85</sup>

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Qty 1+	€200,85 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

### SPECIFICATIONS

#### 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**

25.00 ±0.10 **Diameter (mm):**

>22 **Clear Aperture CA (mm):**

Mounted in Black Anodized Ring **Construction:**

2.00 ±0.10 **Substrate Thickness (mm):**

**Optical Properties**

0 ±5 **Angle of Incidence (°):**

16 **Bandwidth (nm):**

>5 **Optical Density OD (Average):**

410.00 (Nominal) **Center Wavelength CWL (nm):**

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

Optical Grade Glass **Substrate:**

>93 @402 – 418nm **Minimum Transmission (%):**

Hard Coated **Coating:**

80-50 **Surface Quality:**

330 - 900 **Blocking Wavelength Range (nm):**

7 **Cone Half Angle (°):**

**Threading & Mounting**

3.50 ±0.10 **Mount Thickness (mm):**

**Regulatory Compliance**

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

**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](#).