

# 710nm CWL, >OD5, 20nm FWHM Bandpass Filter, 25mm Dia.



Hard Coated OD5 Bandpass Filters

Stock **#78-447** NEW **3 In Stock**

-

1

+

£170<sup>72</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | £170.72 each                  |
| Need More?     | <a href="#">Request Quote</a> |

 Prices shown are exclusive of VAT/local taxes

Product Downloads

## SPECIFICATIONS

### General

Type:

Bandpass Filter

Typical Applications:

Scattered light and point detection (Flow Cytometry), not suitable for imaging, immunophenotyping

|                                                                                                  |  |
|--------------------------------------------------------------------------------------------------|--|
| <div>Note:</div> <div>Arrow on ring indicates preferred direction of propagation of light.</div> |  |
| Physical & Mechanical Properties                                                                 |  |
| <div><div>Diameter (mm):</div><div>25.00 ±0.10</div></div>                                       |  |
| <div><div>Clear Aperture CA (mm):</div><div>&gt;22</div></div>                                   |  |
| <div><div>Construction:</div><div>Mounted in Black Anodized Ring</div></div>                     |  |
| <div><div>Substrate Thickness (mm):</div><div>2.00 ±0.10</div></div>                             |  |
| Optical Properties                                                                               |  |
| <div><div>Angle of Incidence (°):</div><div>0 ±5</div></div>                                     |  |
| <div><div>Bandwidth (nm):</div><div>13</div></div>                                               |  |
| <div><div>Optical Density OD (Average):</div><div>&gt;5</div></div>                              |  |
| <div><div>Center Wavelength CWL (nm):</div><div>710.00 (Nominal)</div></div>                     |  |
| <div><div>Full Width-Half Max FWHM (nm):</div><div>20.00 (Nominal)</div></div>                   |  |
| <div><div>Substrate: <div></div></div><div>Optical Grade Glass</div></div>                       |  |
| <div><div>Minimum Transmission (%):</div><div>&gt;93 @ 703.5 – 716.5nm</div></div>               |  |
| <div><div>Coating:</div><div>Hard Coated</div></div>                                             |  |
| <div><div>Surface Quality:</div><div>80-50</div></div>                                           |  |
| <div><div>Blocking Wavelength Range (nm):</div><div>330 - 900</div></div>                        |  |
| <div><div>Cone Half Angle (°):</div><div>7</div></div>                                           |  |
| Threading & Mounting                                                                             |  |
| <div><div>Mount Thickness (mm):</div><div>3.50 ±0.10</div></div>                                 |  |
| Regulatory Compliance                                                                            |  |
| <div><div>Certificate of Conformance:</div><div><a href="#">View</a></div></div>                 |  |

## 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](#).