

690nm CWL, >OD5, 20nm FWHM Bandpass Filter, 25mm Dia.



Hard Coated OD5 Bandpass Filters

Stock **#78-445** **4 In Stock**

-

1

+

C\$278<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | C\$278.60 each                |
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Product Downloads

General

Type:

Bandpass Filter

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                    |                                     |
| >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 (°):             |
| 13                             | Bandwidth (nm):                     |
| >5                             | Optical Density OD (Average):       |
| 690.00 (Nominal)               | Center Wavelength CWL (nm):         |
| 20.00 (Nominal)                | Full Width-Half Max FWHM (nm):      |
| Optical Grade Glass            | Substrate: <input type="checkbox"/> |
| >93 @ 683.5 – 696.5nm          | 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          |                                     |
| <a href="#">View</a>           | 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](#).