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



Hard Coated OD5 Bandpass Filters

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

-

1

+

A\$318⁴⁰

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Volume Pricing	
Qty 1+	A\$318.40 each
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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: ☐
>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	
View	Certificate of Conformance:

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](#).

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.