

TECHSPEC[®] 830nm CWL, 12.5mm Dia,3.2nm Bandwidth, OD 6 Laser Line Bandpass Filter



Stock **#68-950** 2 In Stock

☐ [Additional Bandwidths](#)

-

1

+

€365^{.00}

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Volume Pricing	
Qty 1-5	€365,00 each
Qty 6-25	€292,00 each
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Bandpass FilterType:

Physical & Mechanical Properties

12.50Diameter (mm):

8.5Clear Aperture CA (mm):

Thickness Tolerance (mm):	
+0.0/-0.1	
Optical Properties	
Angle of Incidence (°):	
0 ±2	
Bandwidth (nm):	
3.2	
OD 5 Blocking Wavelength Range (nm) :	
639.1 - 821.7 & 838.3 - 1067.7	
OD 6 Blocking Wavelength Range (nm):	
763.6 - 817.6 & 842.5 - 913	
Optical Density OD (Average):	
≥6.0	
Center Wavelength CWL (nm):	
830.00	
Design Wavelength DWL (nm):	
830	
Full Width-Half Max FWHM (nm):	
5.80	
Substrate: ☐	
Fused Silica (Corning 7980)	
Coating:	
Hard Coated	
Surface Quality:	
60-40	
Transmission (%):	
≥90	
Transmitted Wavefront, RMS:	
λ/4 @ 633nm	

Threading & Mounting

Mount Thickness (mm):	
3.5	

Environmental & Durability Factors

Durability:	
Environmental: ML-STD-810F, sect. 507.4	
Durability: ML-C-48497A, sect. 3.4.1	

Regulatory Compliance

RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
Reach 247:	
Compliant	

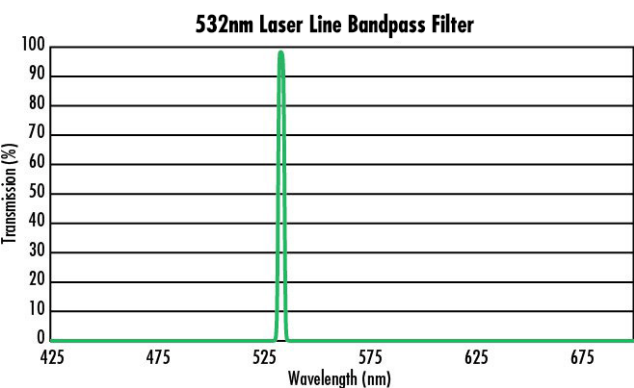
Product Details

- Over 90% Transmission at Design Wavelength
- Hard Coated Design
- Designed for Laser Applications

Available for use with common gas and solid state lasers, TECHSPEC OD 6 Laser Line Clean-Up Filters are designed to offer maximum transmission of stimulated emission, while eliminating noisy spontaneous emission. TECHSPEC OD 6 Laser Line Clean-Up Filters are ideal for laser-based fluorescence instrumentation, Raman spectroscopy, or for analytical or medical laser systems. Due to their steep edges, TECHSPEC Laser Line Clean-Up Filters are excellent complements to [TECHSPEC Notch Filters](#) or [TECHSPEC Raman Longpass Edge Filters](#).



Technical Information





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](#).

Compatible Mounts

