

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



Stock #68-950 2 In Stock

☐ Additional Bandwidths

-

1

+

£292⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	£292.00 each
Qty 6-25	£233.60 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General	
Bandpass Filter	Type:
Physical & Mechanical Properties	
12.50	Diameter (mm):
8.5	Clear 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	

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](#).

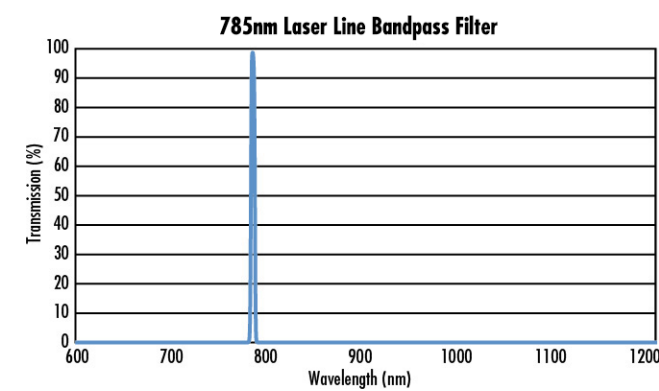
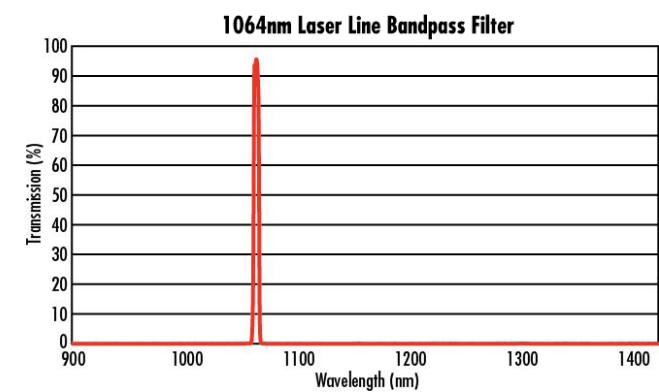
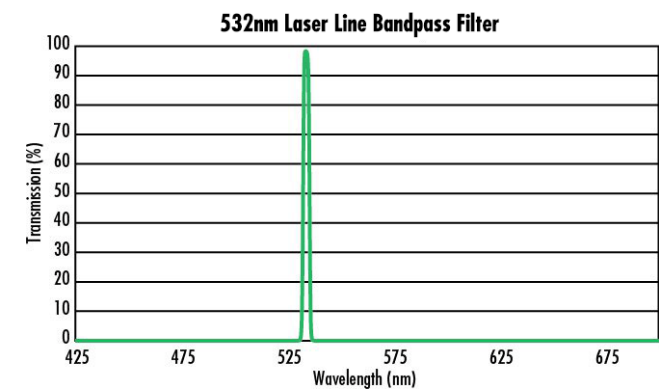
Product Details

- 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



Compatible Mounts