

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



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1

+

₹26,858

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SPECIFICATIONS

General

Bandpass FilterType:

Physical & Mechanical Properties	
12.50	Diameter (mm):
8.5	Clear Aperture CA (mm):
+0.0/-0.1	Thickness Tolerance (mm):
Optical Properties	
0 ±2	Angle of Incidence (°):
3.2	Bandwidth (nm):
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	
≥6.0	Optical Density OD (Average):
830.00	Center Wavelength CWL (nm):
830	Design Wavelength DWL (nm):
5.80	Full Width-Half Max FWHM (nm):
Fused Silica (Corning 7980)	Substrate: ☐
Hard Coated	Coating:
60-40	Surface Quality:
≥90	Transmission (%):
λ/4 @ 633nm	Transmitted Wavefront, RMS:

Threading & Mounting

3.5	Mount Thickness (mm):
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Environmental & Durability Factors

Environmental: MIL-STD-810F, sect. 507.4 Durability: MIL-C-48497A, sect. 3.4.1	Durability:
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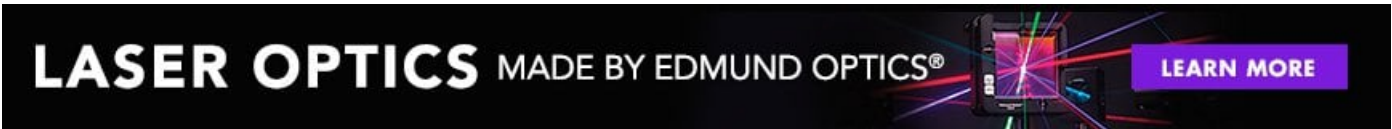
Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 242:

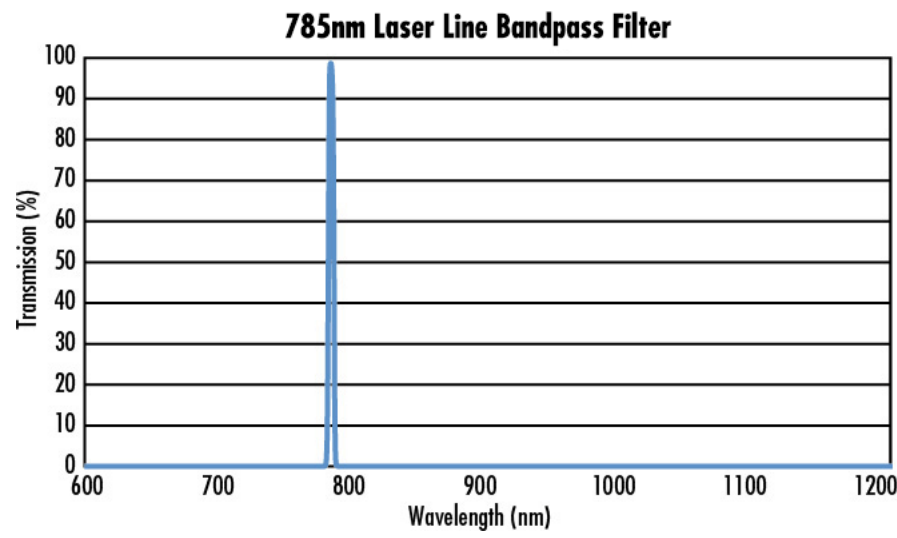
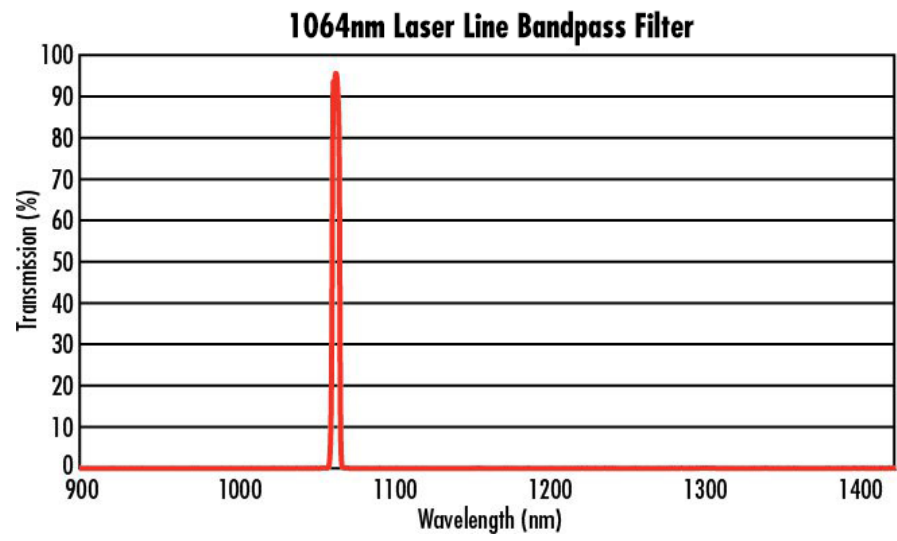
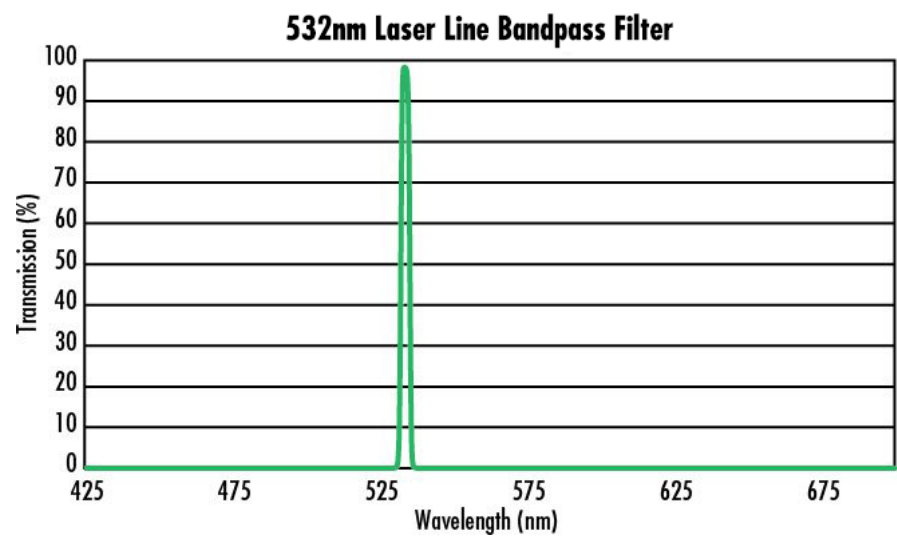
PRODUCT DETAILS

- 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