

TECHSPEC® 514.5nm CWL, 12.5mm Dia, 2nm Bandwidth, OD 6 Laser Line Bandpass Filter



Stock **#68-938** **3 In Stock**

[Additional Bandwidths](#)

£292.⁰⁰

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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):
2.00

OD 5 Blocking Wavelength Range (nm) :
434.1 - 509.4 & 519.6 - 669.5

OD 6 Blocking Wavelength Range (nm):
473.3 - 506.8 & 522.2 - 566

Optical Density OD (Average):
≥6.0

Center Wavelength CWL (nm):
514.50

Design Wavelength DWL (nm):
514.5

Full Width-Half Max FWHM (nm):
3.60

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](#)

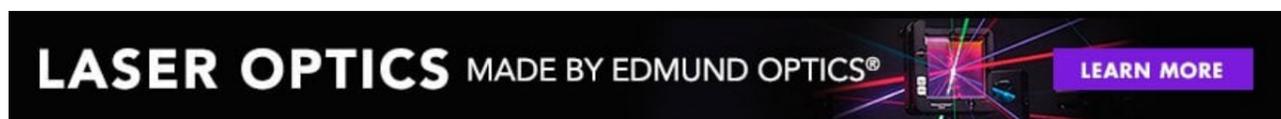
Certificate of Conformance:
[View](#)

REACH 241:
[Compliant](#)

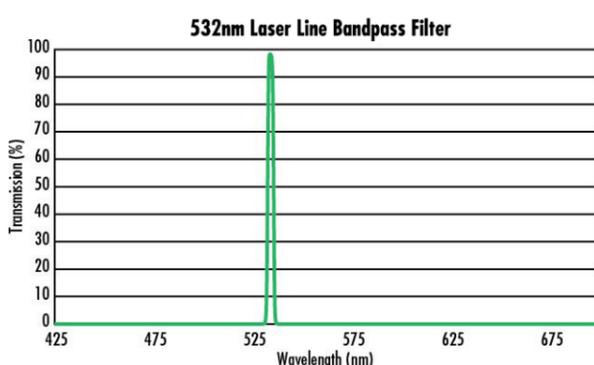
Product Details

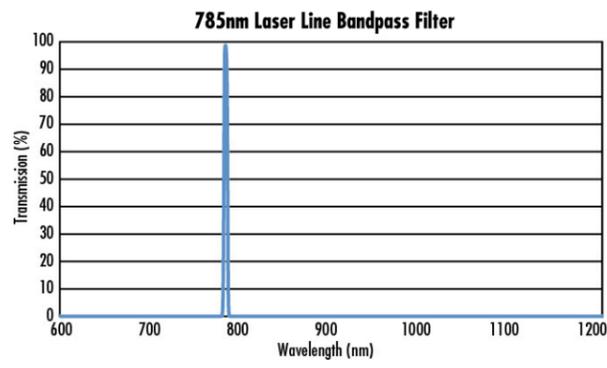
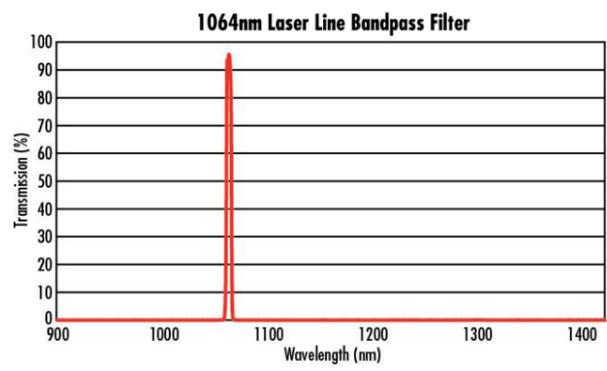
- Over 90% Transmission at Design Wavelength
- Hard Coated Design
- Designed for Laser Applications

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