

830nm High Performance Laser Line Filter 12.5mm Dia.



High Performance Laser Line Bandpass Filters

Stock **#64-245** **1 In Stock**

[Additional Bandwidths](#)

-

1

+

£319²⁰

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Qty 1+	£319.20 each
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SPECIFICATIONS

General

Type:

Bandpass Filter

Physical & Mechanical Properties

12.50 +0.0/-0.1	Diameter (mm):
≥10	Clear Aperture CA (mm):
±0.10	Thickness Tolerance (mm):
Mounted in Black Anodized Ring	Construction:

ML-C-48497A	Physical Durability: Paragraphs 4.5.3.1, 4.5.3.2, 4.5.3.3, 4.5.4.2, and 4.5.5.3
2.0 ±0.1	Substrate Thickness (mm):

Optical Properties

0 ±2	Angle of Incidence (°):
3.2	Bandwidth (nm):

<11	Beam Deviation (arcsec):
639 - 822 & 838 - 1325	OD 5 Blocking Wavelength Range (nm) :

764 - 818 & 843 - 913	OD 6 Blocking Wavelength Range (nm):
≥6.0	Optical Density OD (Average):

830.00	Center Wavelength CWL (nm):
830	Design Wavelength DWL (nm):

3.15 - 5.81	Full Width-Half Max FWHM (nm):
Fused Silica	Substrate:

>90	Minimum Transmission (%):
Hard Coated	Coating:

60-40	Surface Quality:
>90	Transmission (%):

639 - 822 & 838 - 1325	Blocking Wavelength Range (nm):
¼ @ 633nm	Transmitted Wavefront, P-V:

Threading & Mounting

3.5 ±0.1	Mount Thickness (mm):
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Environmental & Durability Factors

<5	Temperature Dependence (ppm/°C):
ML-STD-810F	Environmental Durability: Paragraphs 501.4, 502.4, and 507.4

Regulatory Compliance

Compliant	RoHS 2015:
Compliant	Reach 209:
View	Certificate of Conformance:

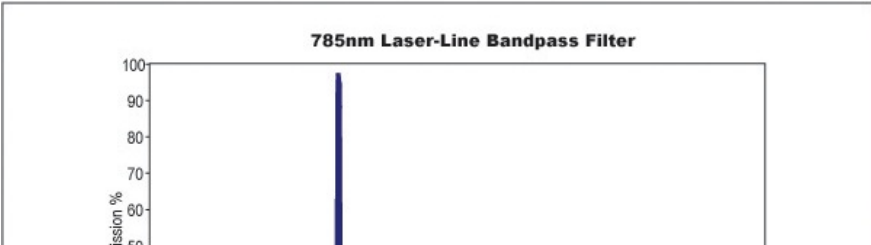
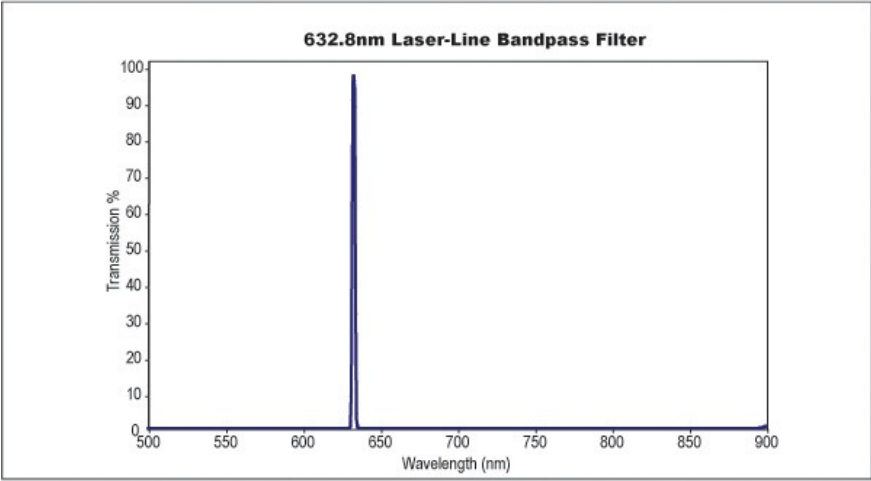
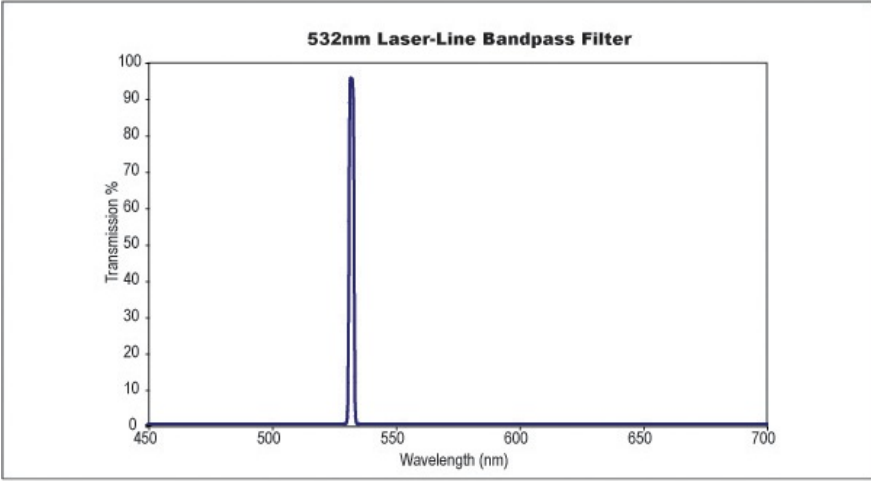
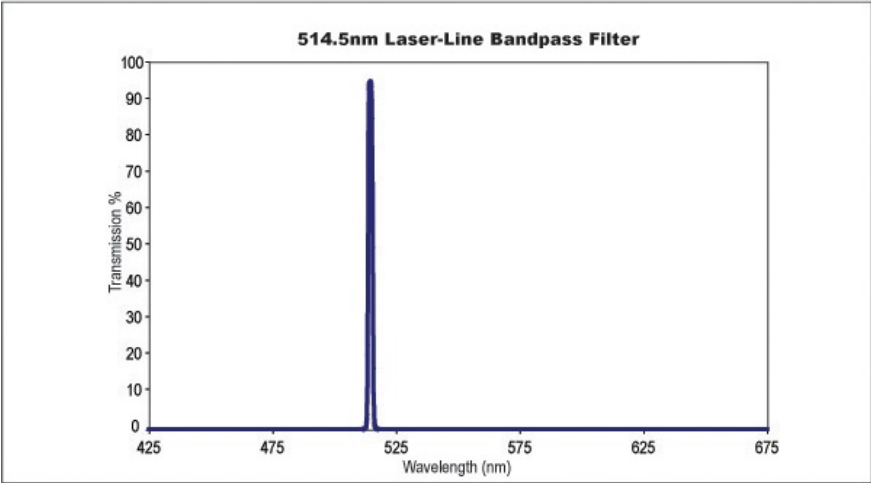
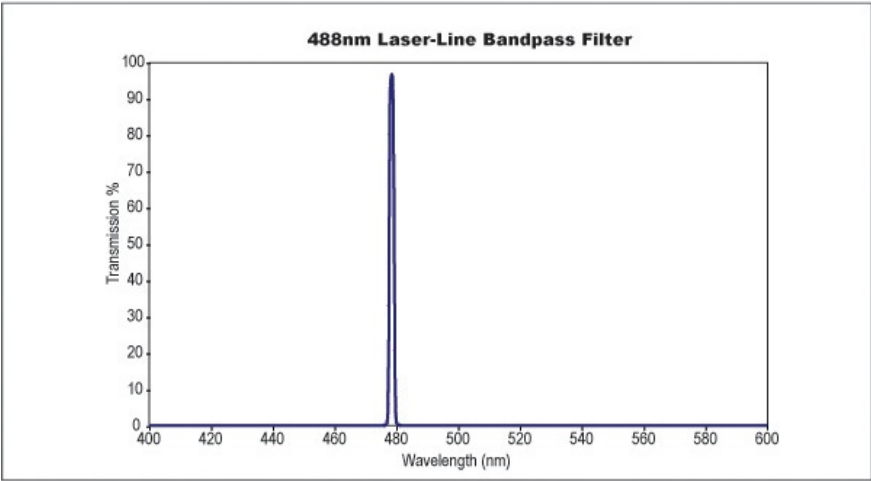
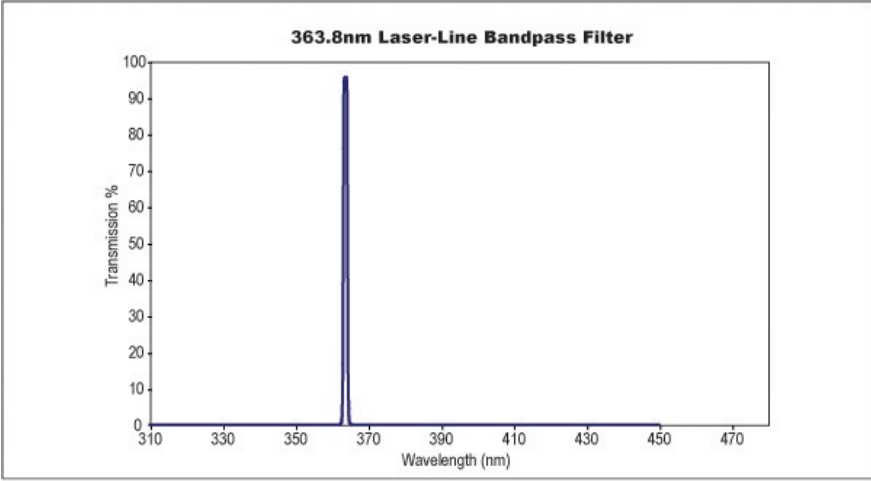
PRODUCT DETAILS

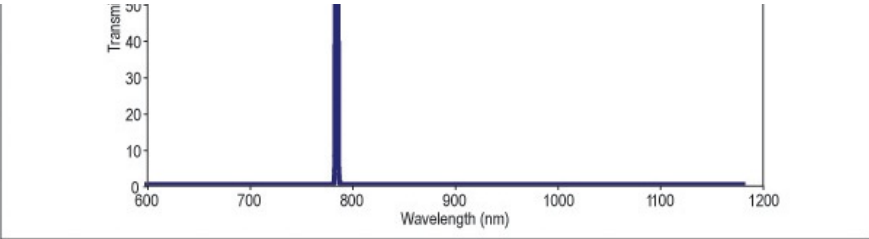
- Over 90% Transmission at Specified Laser Lines
- Hard Coated Design
- Designed for Laser Applications

Available for use with common gas and solid state lasers, High Performance Laser-Line Bandpass Filters are designed to offer maximum transmission of stimulated emission, while eliminating noisy spontaneous emission. These laser line filters are available at popular diode and Nd:YAG laser lines, including 532nm, 785nm, and 1064nm. High Performance Laser-Line Bandpass Filters are ideal for laser-based fluorescence instrumentation, Raman spectroscopy, or for analytical or medical laser systems. Due to their steep edges, High Performance Laser-Line Bandpass Filters are excellent complements to TECHSPEC® Notch Filters and [Laser Line Longpass Filters](#).

Note: These filters are optimized for high spectral performance rather than high Laser Induced Damage Thresholds (LIDT). A typical LIDT for these filters is 0.1 J/cm² @ 532nm, 10ns.

TECHNICAL INFORMATION





COMPATIBLE MOUNTS