

457.9nm High Performance Laser Line Filter 25mm Dia.



High Performance Laser Line Bandpass Filters

Stock **#12-277** **1 In Stock**

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1

+

£689⁰⁰

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Qty 1+	£689.89 each
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SPECIFICATIONS

General

Type:

Bandpass Filter

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.0/-0.1	
≥22	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 (°):
1.7	Bandwidth (nm):
393.1 - 453.3 & 462.5 - 576.7	OD 5 Blocking Wavelength Range (nm) :
421.3 - 451 & 464.8 - 503.7	OD 6 Blocking Wavelength Range (nm):
≥6.0	Optical Density OD (Average):
457.90	Center Wavelength CWL (nm):
457.9	Design Wavelength DWL (nm):
1.70 - 3.2	Full Width-Half Max FWHM (nm):
Fused Silica	Substrate: ☐
>90	Minimum Transmission (%):
Hard Coated	Coating:
60-40	Surface Quality:
>90	Transmission (%):
393.1 - 453.3 & 462.5 - 576.7	Blocking Wavelength Range (nm):

Threading & Mounting

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

ML-STD-810F	Environmental Durability: Paragraphs 501.4, 502.4, and 507.4
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Regulatory Compliance

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

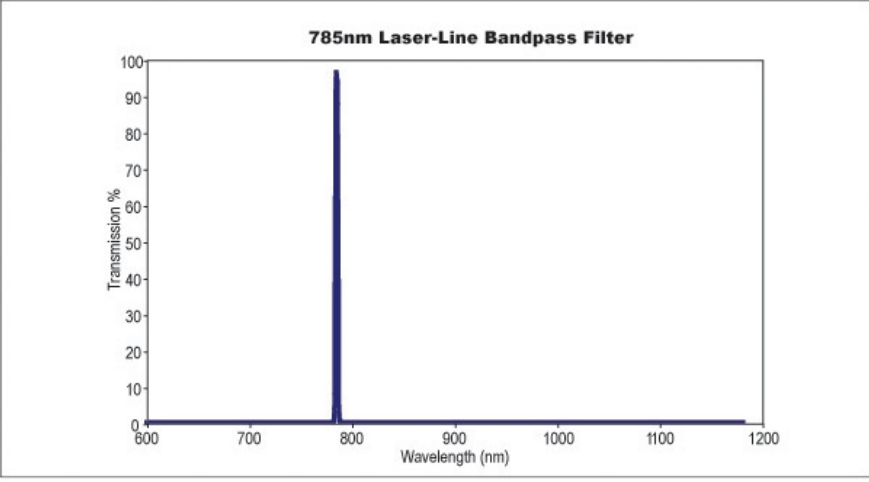
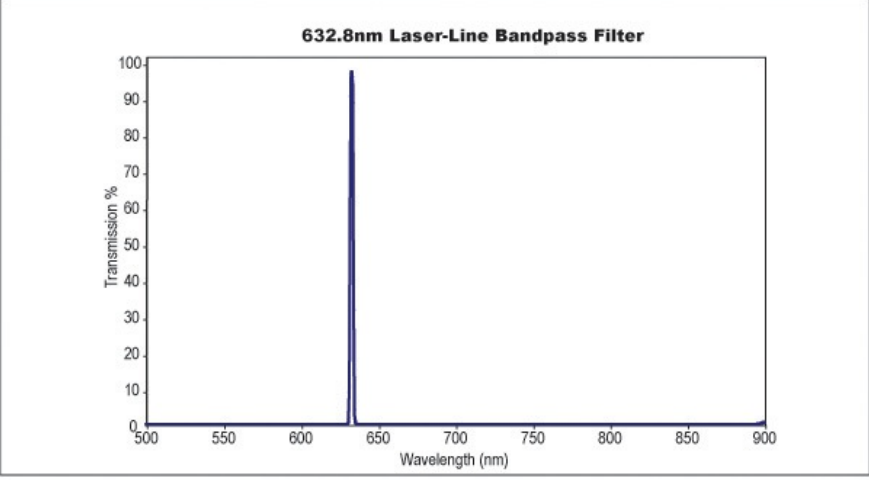
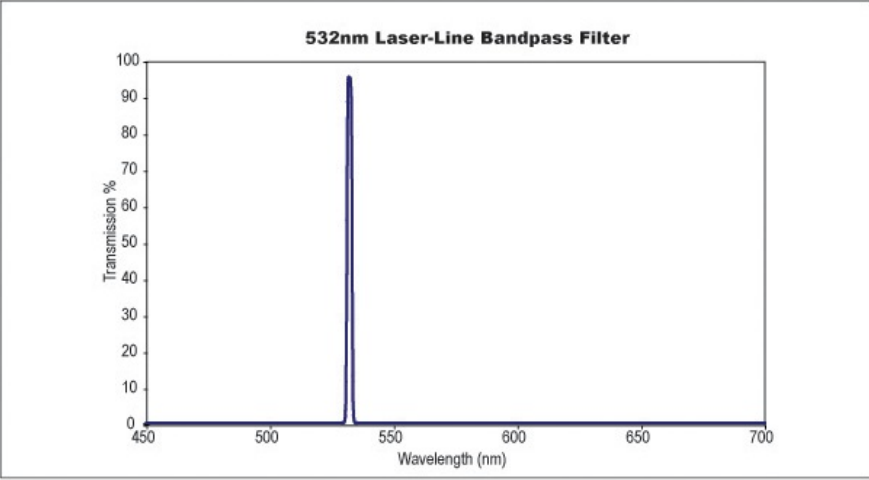
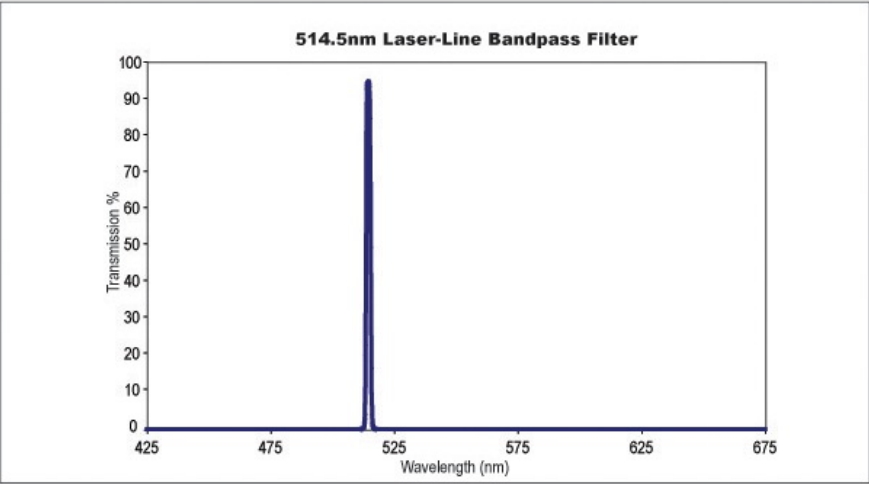
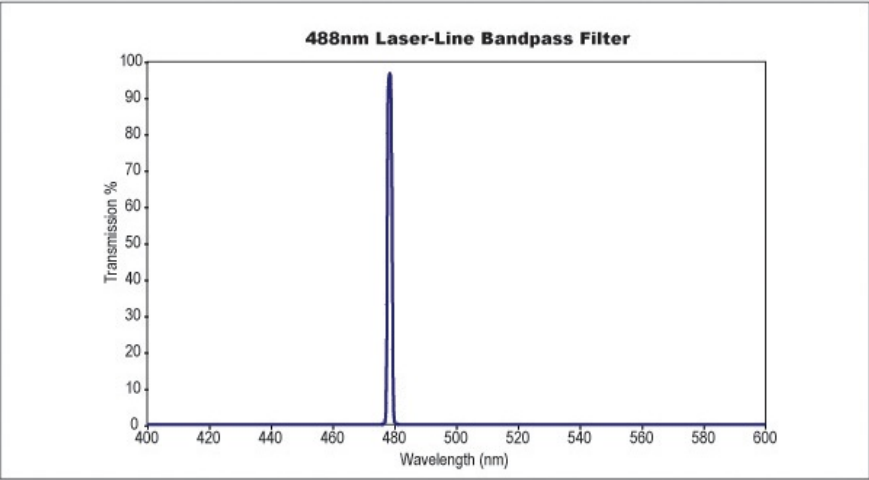
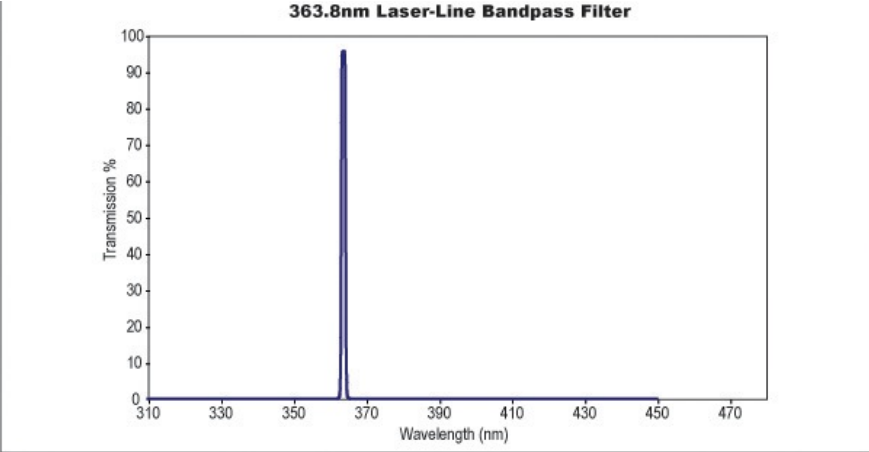
PRODUCT DETAILS

- 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
