

1064nm High Performance Laser Line Filter 12.5mm Dia



High Performance Laser Line Bandpass Filters

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+

C\$558^{.60}

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General

Type:

Bandpass Filter

Physical & Mechanical Properties

Diameter (mm):

12.50 +0.0/-0.1

Clear Aperture CA (mm):

≥10

Thickness Tolerance (mm):

±0.10

Construction:	
Mounted in Black Anodized Ring	
Physical Durability: ML-C-48497A Paragraphs 4.5.3.1, 4.5.3.2, 4.5.3.3, 4.5.4.2, and 4.5.5.3	
Substrate Thickness (mm): 2.0 ±0.1	
Optical Properties	
Angle of Incidence (°): 0 ±2	
Bandwidth (nm): 4.0	
Beam Deviation (arcsec): <11	
OD 5 Blocking Wavelength Range (nm) : 979 - 1053 & 1075 - 1429	
OD 6 Blocking Wavelength Range (nm): 979 - 1048 & 1080 - 1170	
Optical Density OD (Average): ≥6.0	
Center Wavelength CWL (nm): 1,064.00	
Design Wavelength DWL (nm): 1064	
Full Width-Half Max FWHM (nm): 4.04 - 7.45	
Substrate: Fused Silica	
Minimum Transmission (%): >90	
Coating: Hard Coated	
Surface Quality: 60-40	
Transmission (%): >90	
Blocking Wavelength Range (nm): 979 - 1053 & 1075 - 1429	
Transmitted Wavefront, P-V: ¼ @ 633nm	
Threading & Mounting	
Mount Thickness (mm): 3.5 ±0.1	
Environmental & Durability Factors	
Temperature Dependence (ppm/°C): <5	
Environmental Durability: ML-STD-810F Paragraphs 501.4, 502.4, and 507.4	
Regulatory Compliance	
RoHS 2015: Compliant	
Reach 209: Compliant	
Certificate of Conformance: View	

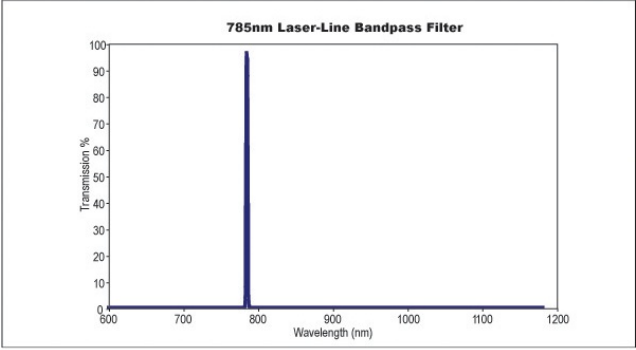
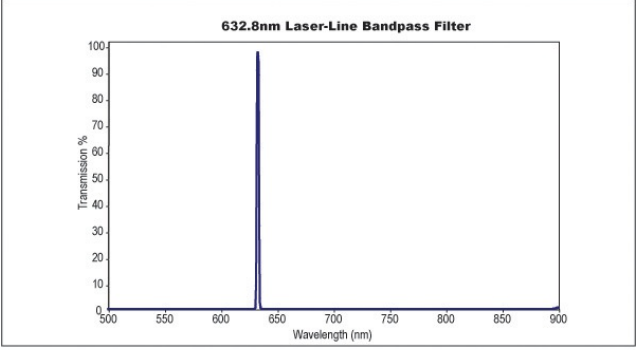
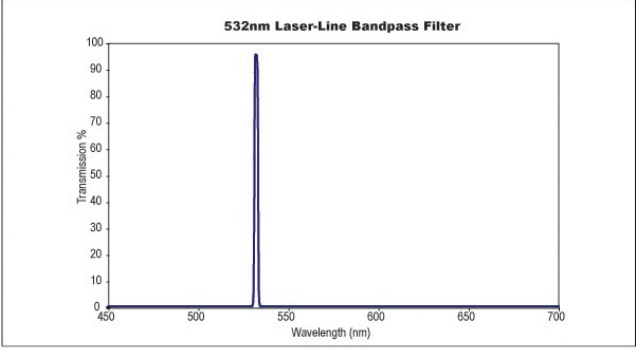
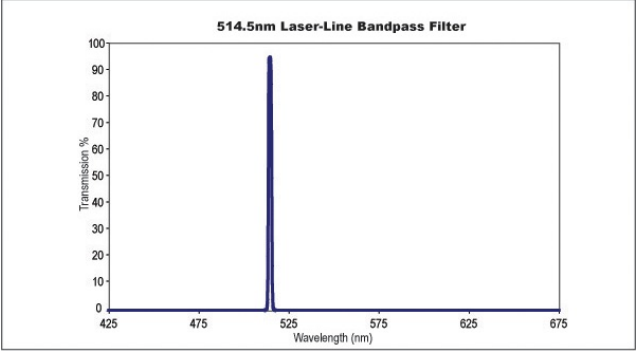
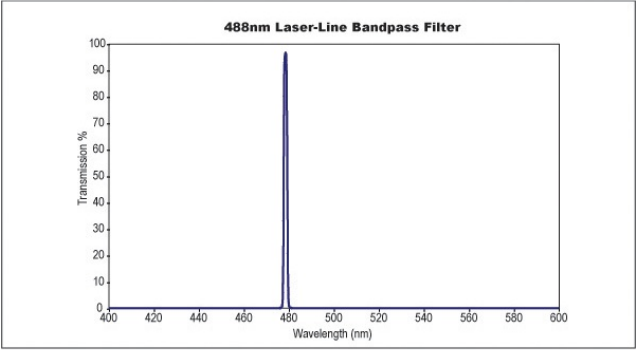
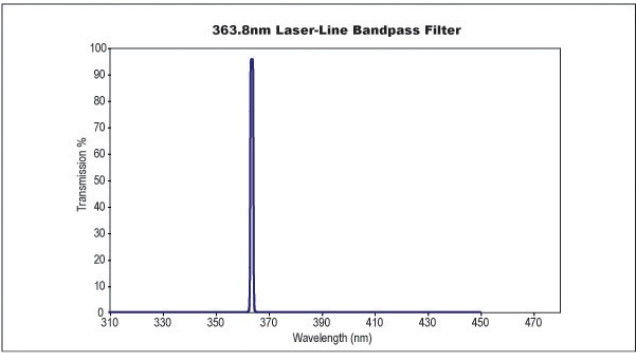
Product Details

- 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). Atypical LIDT for these filters is 0.1 J/cm² @ 532nm, 10ns.

Technical Information



Compatible Mounts