

671nm High Performance Laser Line Filter 25mm Dia.



High Performance Laser Line Bandpass Filters

Stock **#64-255 1 In Stock**

Additional Bandwidths

-

1

+

S\$1,337⁰⁰

ADD TO CART

Volume Pricing	
Qty 1+	S\$1,337.00 each
Need More?	Request Quote

Product Downloads

General

Type:

Bandpass Filter

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.0/-0.1

Clear Aperture CA (mm):

≥22

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): 2.6	
Beam Deviation (arcsec): <11	
OD 5 Blocking Wavelength Range (nm) : 540 - 643 & 678 - 961	
OD 6 Blocking Wavelength Range (nm): 617 - 661 & 681 - 738	
Optical Density OD (Average): ≥6.0	
Center Wavelength CWL (nm): 671.00	
Design Wavelength DWL (nm): 671	
Full Width-Half Max FWHM (nm): 2.55 - 4.7	
Substrate: □ Fused Silica	
Minimum Transmission (%): >90	
Coating: Hard Coated	
Surface Quality: 60-40	
Transmission (%): >90	
Blocking Wavelength Range (nm): 540 - 643 & 678 - 961	
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	

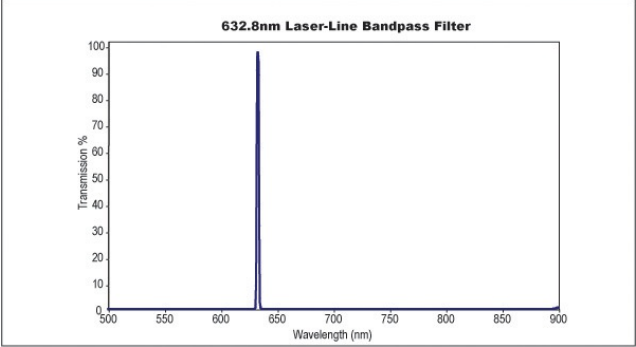
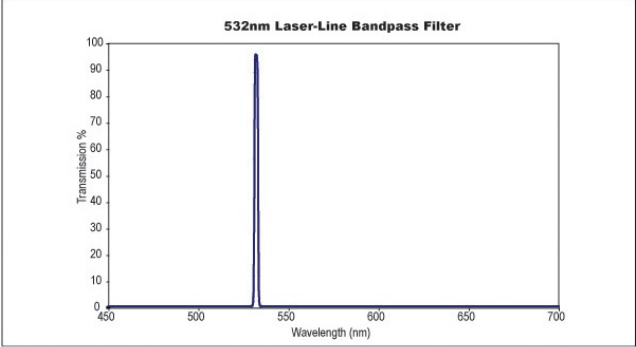
Product Details

- 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