

457.9nm High Performance Laser Line Filter 12.5mm Dia.



High Performance Laser Line Bandpass Filters

Stock **#12-269** **2 In Stock**

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1

+

£319²⁰

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Volume Pricing	
Qty 1+	£319.20 each
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Product Downloads

General	
Bandpass Filter	Type:
Physical & Mechanical Properties	
12.50 +0.0/-0.1	Diameter (mm):
≥10	Clear Aperture CA (mm):
	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):
1.7	
OD 5 Blocking Wavelength Range (nm) : 393.1 - 453.3 & 462.5 - 576.7	
OD 6 Blocking Wavelength Range (nm): 421.3 - 451 & 464.8 - 503.7	
≥6.0	Optical Density OD (Average):
	Center Wavelength CWL (nm):
457.90	
	Design Wavelength DWL (nm):
457.9	
	Full Width-Half Max FWHM (nm):
1.70 - 3.2	
Fused Silica	Substrate: ☐
	Minimum Transmission (%):
>90	
Hard Coated	Coating:
	Surface Quality:
60–40	
>90	Transmission (%):
Blocking Wavelength Range (nm): 393.1 - 453.3 & 462.5 - 576.7	

Threading & Mounting	
	Mount Thickness (mm):
3.5 ±0.1	

Environmental & Durability Factors	
	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