

405nm High Performance Laser Line Filter 25mm Dia.



High Performance Laser Line Bandpass Filters

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₹61,346

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General	
Bandpass Filter	Type:
Physical & Mechanical Properties	
25.00 +0.0/-0.1	Diameter (mm):
≥22	Clear Aperture CA (mm):
±0.10	Thickness Tolerance (mm):

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): 1.5	
OD 5 Blocking Wavelength Range (nm) : 353.5 - 401 & 409.1 - 495.3	
OD 6 Blocking Wavelength Range (nm): 372.6 - 398.9 & 411.1 - 445.5	
Optical Density OD (Average): ≥6.0	
Center Wavelength CWL (nm): 405.00	
Design Wavelength DWL (nm): 405	
Full Width-Half Max FWHM (nm): 1.50 - 2.8	
Substrate: ☐	
Fused Silica	
Minimum Transmission (%): >90	
Coating:	
Hard Coated	
Surface Quality:	
60-40	
Transmission (%): >90	
Blocking Wavelength Range (nm): 353.5 - 401 & 409.1 - 495.3	
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	
Country of Origin:	
United States	
Imported By:	
Edmund Optics India Private Limited	

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