

25mm Dia., 514.5nm Laser Line Longpass Filter



Laser Line Longpass Filters

Stock #47-504 CLEARANCE **1 In Stock**

⊖ 1 ⊕ MRP ₹1,06,171

📌 Price inclusive of all taxes

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Volume Pricing	
Qty 1+	₹1,06,171 each
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General

Longpass Filter **Type:**

Angle Tuning Range, for 0 - 8° Shift:
-0.3% of Laser Wavelength

Physical & Mechanical Properties

25.00 +0.0/-0.1 **Diameter (mm):**

22 **Clear Aperture CA (mm):**

88	Clear Aperture (%)
Optical Properties	
0 ±2	Angle of Incidence (°)
>600	Bandwidth (nm)
416 - 514.5	OD 6 Blocking Wavelength Range (nm)
≥6.0	Optical Density OD (Average)
514.5	Design Wavelength DWL (nm)
Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
Hard Coated	Coating:
60-40	Surface Quality:
93.00	Transmission (%)
521.2 - 1160.5	Transmission Wavelength (nm)
2.60	Edge Steepness (nm)
<5.1	Transition Width (nm)
514.5	Laser Blocking Wavelength (nm)
0.5 J/cm ² @ 266nm, 10ns, 10Hz 1 J/cm ² @ 532nm, 10ns, 10Hz	Damage Threshold, By Design: <input type="checkbox"/>

Threading & Mounting

3.5	Mount Thickness (mm)
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Environmental & Durability Factors

Environmental: ML-STD-810F, Physical: ML-C-48497A	Durability:
<5	Temperature Dependence (ppm/°C)

Regulatory Compliance

Compliant	RoHS 2015:
Compliant	Reach 209:
View	Certificate of Conformance:
United States	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

Product Details

- Up to 93% Transmission to Detect Weak Signals
- Deep > OD 6 Blocking for Maximum Laser Rejection
- Ideal for Raman Spectroscopy, Confocal Microscopy, and Biotech Instrumentation
- Unrivaled Performance and Lifetime

Our Laser Line Longpass filters offer unprecedented performance in longpass laser edge filter applications. The steep edges (measured from an optical density of 6.0 to a transmission of 50%) make it possible to measure even the smallest Raman shifts, making these filters a superior alternative to costly holographic notch filters for Stokes Raman scattering measurements. Compared to notch filters, these edge filters offer better transmission, higher laser line blocking, and steeper edges, permitting measurement of Raman signals extremely close to the laser line. The large bandwidths and exceptional transmission permit these filters to be used in even the most demanding imaging applications.

Technical Information



Compatible Mounts
