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647.1nm High Performance Laser Line Filter 12.5mm Dia.



High Performance Laser Line Bandpass Filters

Stock **#64-241** **5 In Stock**

1 MRP ₹49,885

Price inclusive of all taxes

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Volume Pricing

Qty 1+	₹49,885 each
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General

Bandpass Filter **Type:**

Physical & Mechanical Properties

12.50 +0.0/-0.1 **Diameter (mm):**

≥10 **Clear Aperture CA (mm):**

Mounted in Black Anodized Ring **Construction:**

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):

2.5

Beam Deviation (arcsec):

<11

OD 5 Blocking Wavelength Range (nm) :

525 - 641 & 654 - 913

OD 6 Blocking Wavelength Range (nm):

595 - 637 & 657 - 712

Optical Density OD (Average):

≥6.0

Center Wavelength CWL (nm):

647.10

Design Wavelength DWL (nm):

647.1

Full Width-Half Max FWHM (nm):

2.46 - 4.49

Substrate: □

Fused Silica

Minimum Transmission (%):

>90

Coating:

Hard Coated

Surface Quality:

60-40

Transmission (%):

>90

Blocking Wavelength Range (nm):

525 - 641 & 654 - 913

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](#)

Country of Origin:

United States

Imported By:

Edmund Optics India Private Limited
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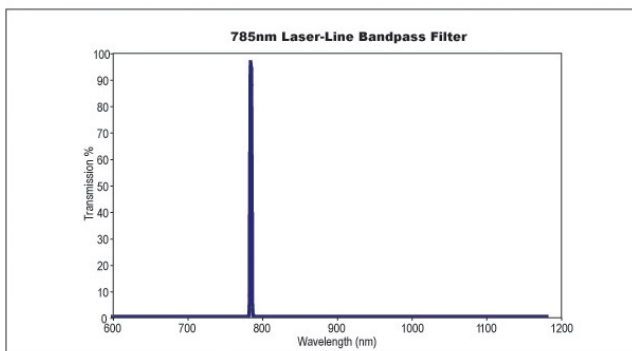
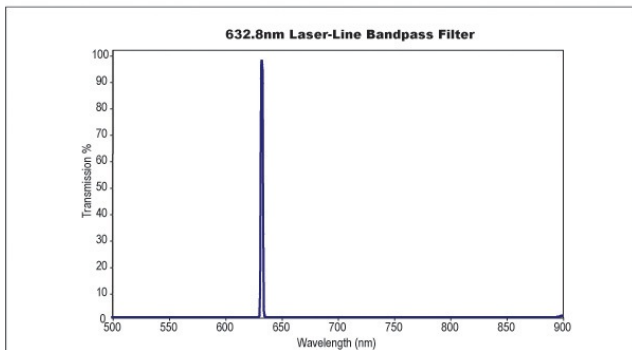
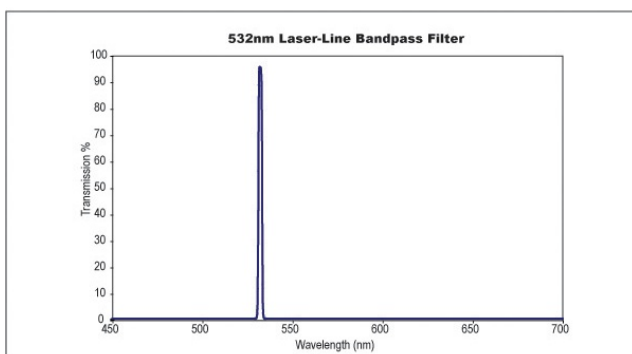
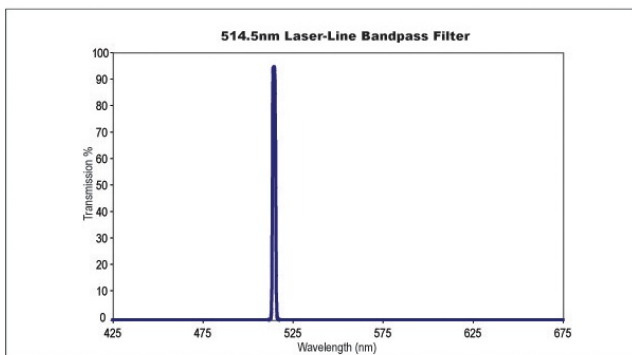
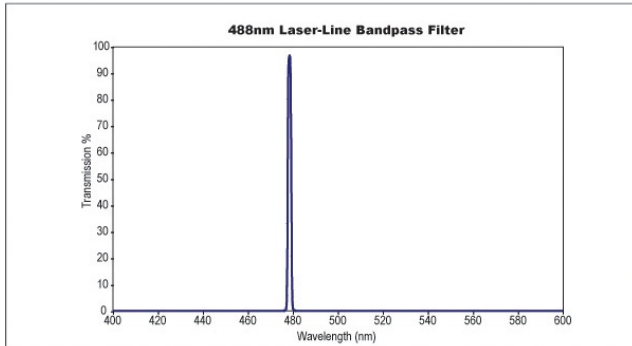
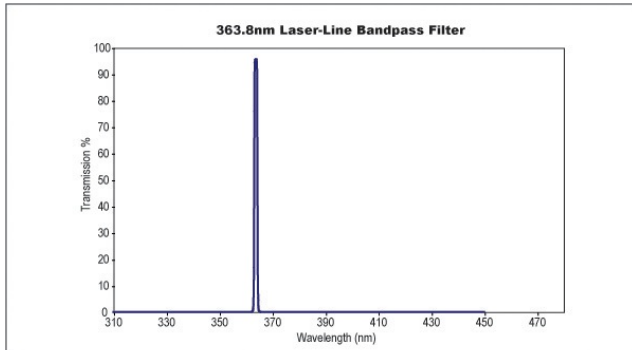
Product Details

- 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