

## 325nm High Performance Laser Line Filter 12.5mm Dia



High Performance Laser Line Bandpass Filters

Stock **#47-612** **4 In Stock**

☐ [Additional Bandwidths](#)

-

1

+

₹28,649

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| Qty 1+         | ₹28,649 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):   |
| ±0.10                            | Thickness Tolerance (mm): |

|                                                                                                |                           |
|------------------------------------------------------------------------------------------------|---------------------------|
| Mounted in Black Anodized Ring                                                                 | Construction:             |
| Physical Durability:<br>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 |                           |
| 2.0 ±0.1                                                                                       | Substrate Thickness (mm): |

| Optical Properties    |                                       |
|-----------------------|---------------------------------------|
| 0 ±2                  | Angle of Incidence (°):               |
| 1.2                   | Bandwidth (nm):                       |
| <11                   | Beam Deviation (arcsec):              |
| 291 - 322 & 328 - 381 | OD 5 Blocking Wavelength Range (nm) : |
| 299 - 320 & 330 - 358 | OD 6 Blocking Wavelength Range (nm):  |
| ≥6.0                  | Optical Density OD (Average):         |
| 325.00                | Center Wavelength CWL (nm):           |
| 325                   | Design Wavelength DWL (nm):           |
| 1.24 - 2.28           | Full Width-Half Max FWHM (nm):        |
| Fused Silica          | Substrate: □                          |
| >80                   | Minimum Transmission (%):             |
| Hard Coated           | Coating:                              |
| 60-40                 | Surface Quality:                      |
| >80                   | Transmission (%):                     |
| 291 - 322 & 328 - 381 | Blocking Wavelength Range (nm):       |
| ¼ @ 633nm             | Transmitted Wavefront, P-V:           |

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

| Environmental & Durability Factors             |                                  |
|------------------------------------------------|----------------------------------|
| <5                                             | Temperature Dependence (ppm/°C): |
| ML-STD-810F Paragraphs 501.4, 502.4, and 507.4 | Environmental Durability:        |

| Regulatory Compliance               |                             |
|-------------------------------------|-----------------------------|
| Compliant                           | RoHS 2015:                  |
| Compliant                           | Reach 209:                  |
| View                                | Certificate of Conformance: |
| United States                       | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

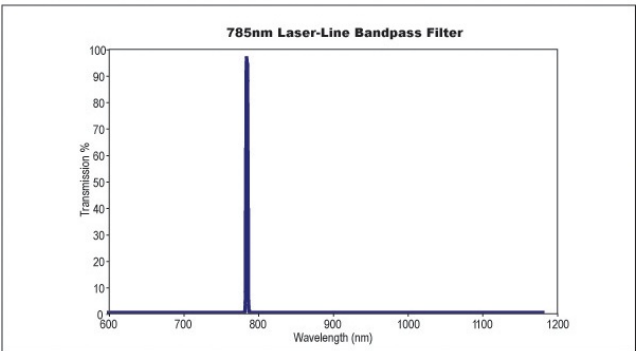
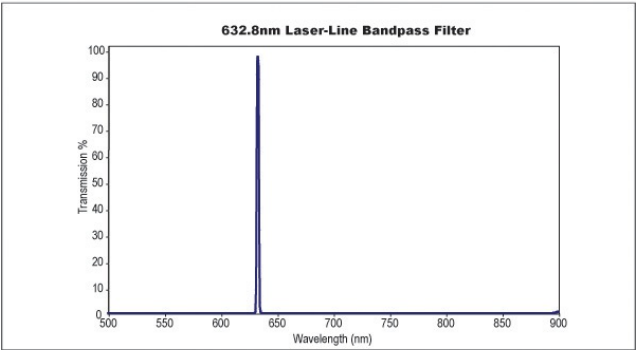
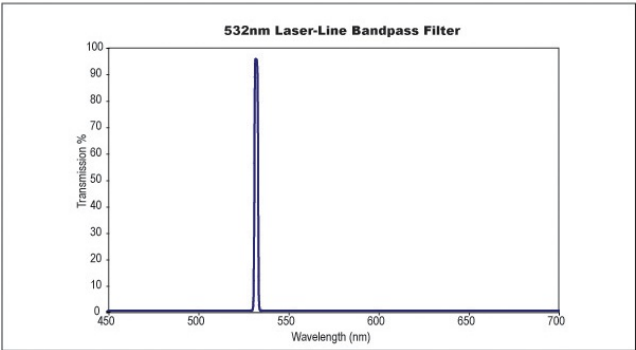
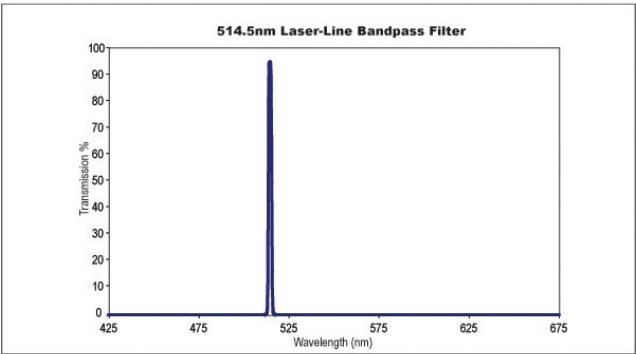
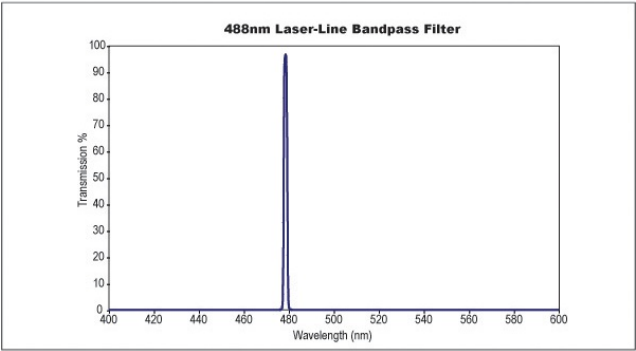
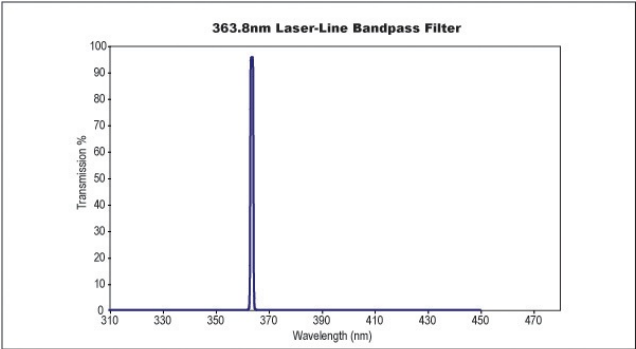
## Product Details

- 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