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## 248.6nm High Performance Laser Line Filter 12.5mm Dia.



High Performance Laser Line Bandpass Filters

Stock **#12-258** [CONTACT US](#)

-

1

+

₹31,996

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| Qty 1+         | ₹31,996 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):

|                                                                                                |  |
|------------------------------------------------------------------------------------------------|--|
| Construction:                                                                                  |  |
| Mounted in Black Anodized Ring                                                                 |  |
| Physical Durability:                                                                           |  |
| ML-C-48497AParagraphs 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) :                                                          |  |
| 228.2 - 246.1 & 251.1 - 279.9                                                                  |  |
| OD 6 Blocking Wavelength Range (nm):                                                           |  |
| 228.7 - 244.9 & 252.3 - 273.5                                                                  |  |
| Optical Density OD (Average):                                                                  |  |
| ≥6.0                                                                                           |  |
| Center Wavelength CWL (nm):                                                                    |  |
| 248.60                                                                                         |  |
| Design Wavelength DWL (nm):                                                                    |  |
| 248.6                                                                                          |  |
| Full Width-Half Max FWHM (nm):                                                                 |  |
| 1.70 - 2.2                                                                                     |  |
| Substrate:  |  |
| Fused Silica                                                                                   |  |
| Minimum Transmission (%):                                                                      |  |
| >40                                                                                            |  |
| Coating:                                                                                       |  |
| Hard Coated                                                                                    |  |
| Surface Quality:                                                                               |  |
| 60-40                                                                                          |  |
| Transmission (%):                                                                              |  |
| >40                                                                                            |  |
| Blocking Wavelength Range (nm):                                                                |  |
| 228.2 - 246.1 & 251.1 - 279.9                                                                  |  |
| 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:                                                                                     |  |
| <a href="#">Compliant</a>                                                                      |  |
| Reach 209:                                                                                     |  |
| <a href="#">Compliant</a>                                                                      |  |
| Certificate of Conformance:                                                                    |  |
| <a href="#">View</a>                                                                           |  |
| Country of Origin:                                                                             |  |
| United States                                                                                  |  |
| Imported By:                                                                                   |  |
| Edmund Optics India Private Limited                                                            |  |

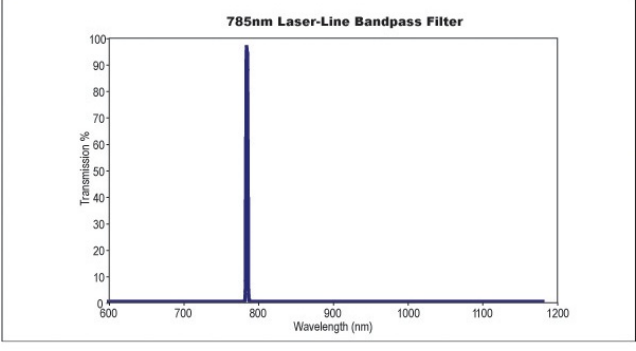
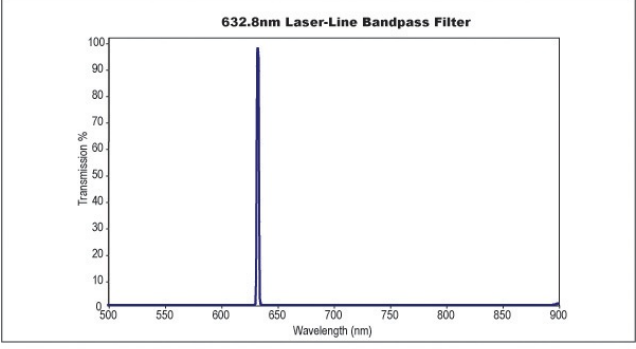
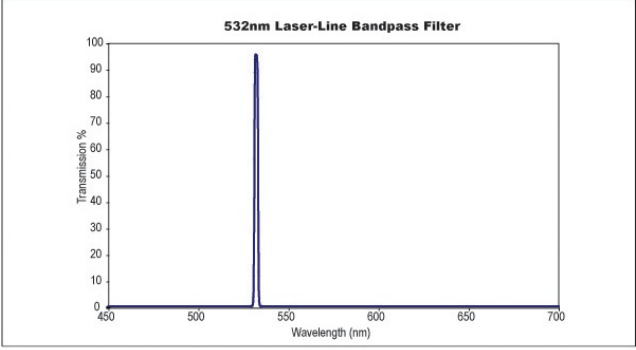
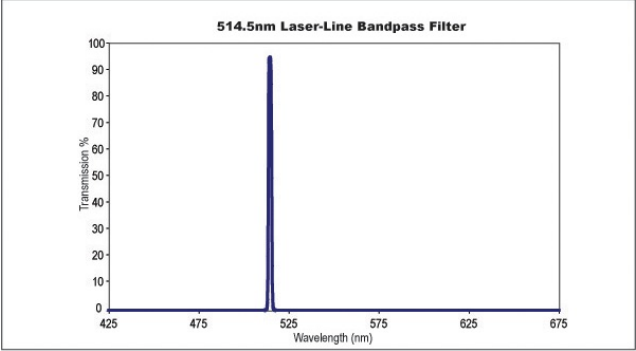
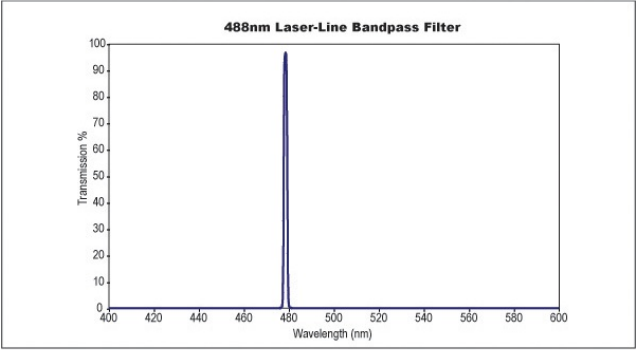
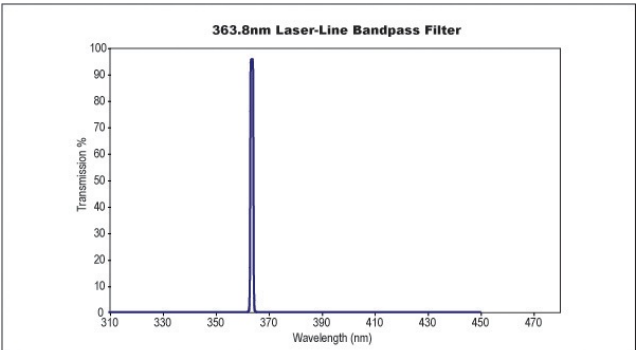
## Product Details

- 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/cm<sup>2</sup> @ 532nm, 10ns.

## Technical Information



## Compatible Mounts