

# 1064nm High Performance Laser Line Filter 12.5mm Dia



High Performance Laser Line Bandpass Filters

Stock **#47-497** [CONTACT US](#)

[Additional Bandwidths](#)

-

1

+

₹28,649

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| Volume Pricing |                               |
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| Qty 1+         | ₹28,649 each                  |
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Product Downloads

General

Type:

Bandpass Filter

Physical & Mechanical Properties

Diameter (mm):

12.50 +0.0/-0.1

Clear Aperture CA (mm):

≥10

Thickness Tolerance (mm):

±0.10

|                                |                                                            |
|--------------------------------|------------------------------------------------------------|
| Mounted in Black Anodized Ring | Construction:                                              |
|                                |                                                            |
| ML-C-48497A                    | Physical Durability:                                       |
|                                | 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 (°):               |
|                          |                                       |
| 4.0                      | Bandwidth (nm):                       |
|                          |                                       |
| <11                      | Beam Deviation (arcsec):              |
|                          |                                       |
| 979 - 1053 & 1075 - 1429 | OD 5 Blocking Wavelength Range (nm) : |
|                          |                                       |
| 979 - 1048 & 1080 - 1170 | OD 6 Blocking Wavelength Range (nm):  |
|                          |                                       |
| ≥6.0                     | Optical Density OD (Average):         |
|                          |                                       |
| 1,064.00                 | Center Wavelength CWL (nm):           |
|                          |                                       |
| 1064                     | Design Wavelength DWL (nm):           |
|                          |                                       |
| 4.04 - 7.45              | Full Width-Half Max FWHM (nm):        |
|                          |                                       |
| Fused Silica             | Substrate: □                          |
|                          |                                       |
| >90                      | Minimum Transmission (%):             |
|                          |                                       |
| Hard Coated              | Coating:                              |
|                          |                                       |
| 60-40                    | Surface Quality:                      |
|                          |                                       |
| >90                      | Transmission (%):                     |
|                          |                                       |
| 979 - 1053 & 1075 - 1429 | 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                        | Environmental Durability:          |
|                                    | Paragraphs 501.4, 502.4, and 507.4 |

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

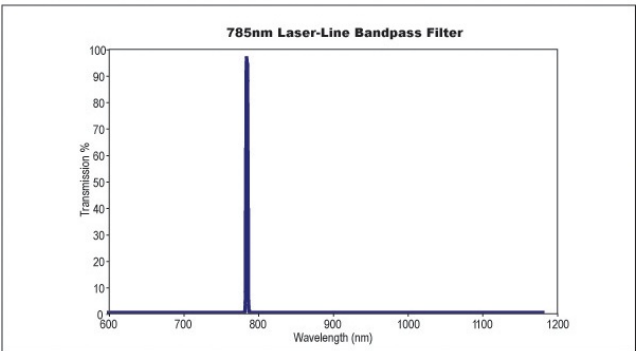
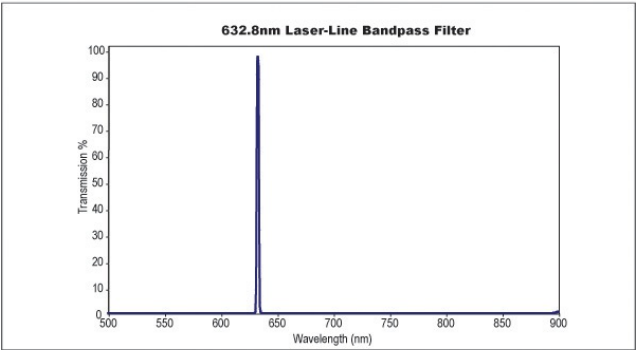
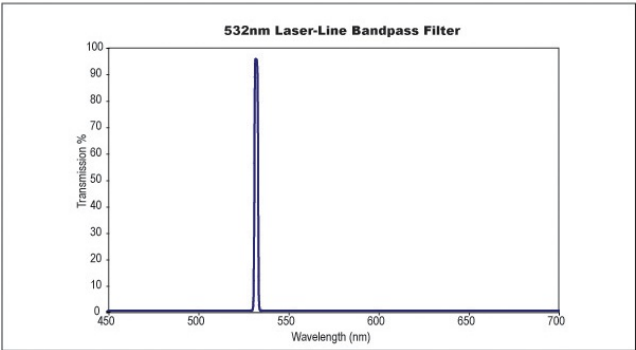
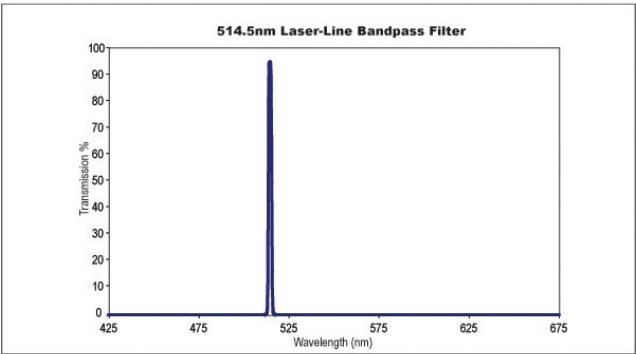
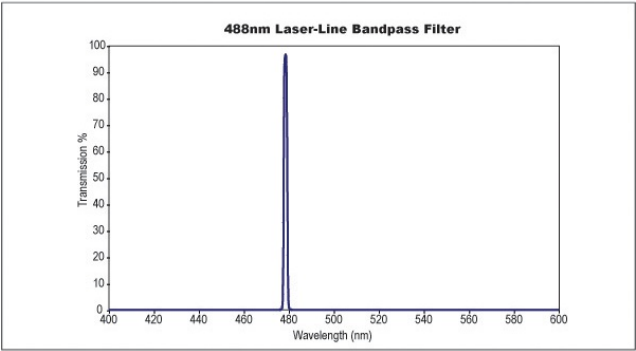
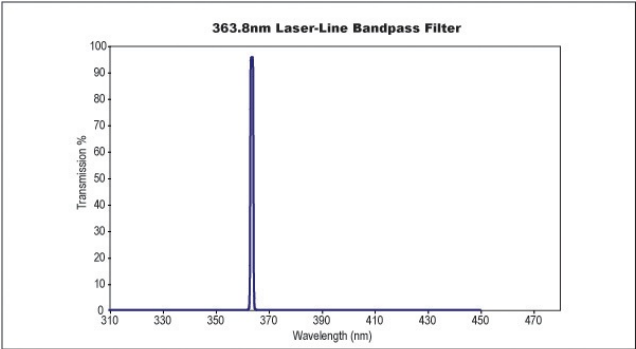
## Product Details

- 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