

## 852nm High Performance Laser Line Filter 25mm Dia.



High Performance Laser Line Bandpass Filters

Stock **#12-280** **1 In Stock**

☐ [Additional Bandwidths](#)

-

1

+

€852<sup>00</sup>

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| Qty 1+         | €852,00 each                  |
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Product Downloads

| General                          |                         |
|----------------------------------|-------------------------|
| Bandpass Filter                  | Type:                   |
| Physical & Mechanical Properties |                         |
| 25.00 +0.0/-0.1                  | Diameter (mm):          |
| ≥22                              | 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 (°):             |
| 3.2                                                                   | Bandwidth (nm):                     |
| OD 5 Blocking Wavelength Range (nm) :<br>652 - 843.5 & 860.5 - 1106.6 |                                     |
| OD 6 Blocking Wavelength Range (nm):<br>783.8 - 839.2 & 864.8 - 937.2 |                                     |
| ≥6.0                                                                  | Optical Density OD (Average):       |
| 852.00                                                                | Center Wavelength CWL (nm):         |
| 852                                                                   | Design Wavelength DWL (nm):         |
| 3.20 - 6.0                                                            | Full Width-Half Max FWHM (nm):      |
| Fused Silica                                                          | Substrate: <input type="checkbox"/> |
| >90                                                                   | Minimum Transmission (%):           |
| Hard Coated                                                           | Coating:                            |
| 60-40                                                                 | Surface Quality:                    |
| >90                                                                   | Transmission (%):                   |
| Blocking Wavelength Range (nm):<br>652 - 843.5 & 860.5 - 1106.6       |                                     |

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

|                                                                             |  |
|-----------------------------------------------------------------------------|--|
| Environmental & Durability Factors                                          |  |
| Environmental Durability:<br>ML-STD-810F Paragraphs 501.4, 502.4, and 507.4 |  |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| Compliant             | Reach 209:                  |
| View                  | Certificate of Conformance: |

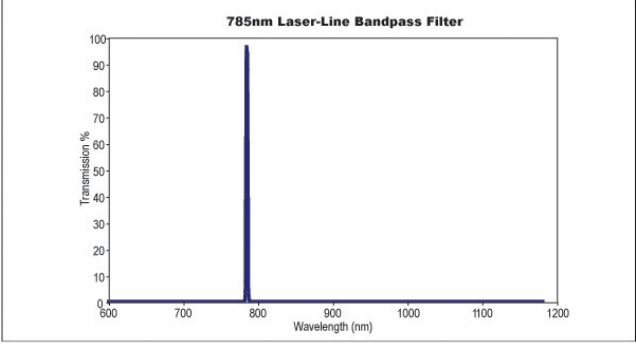
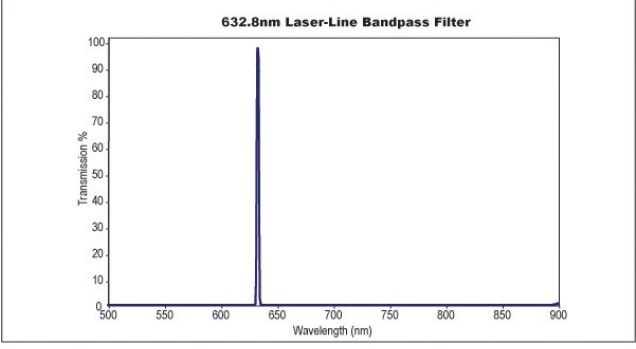
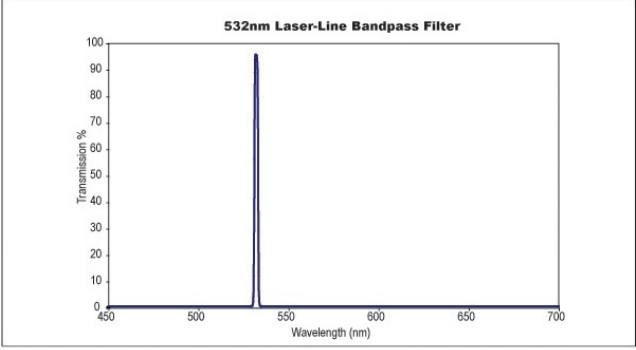
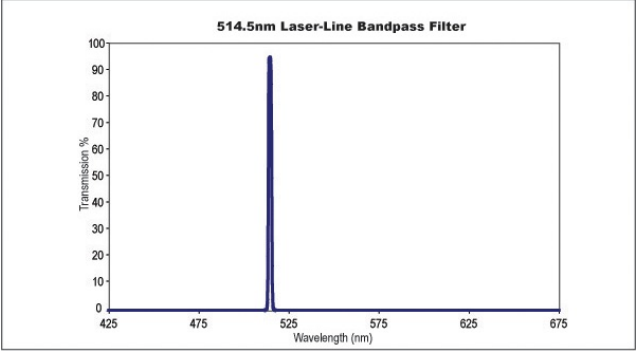
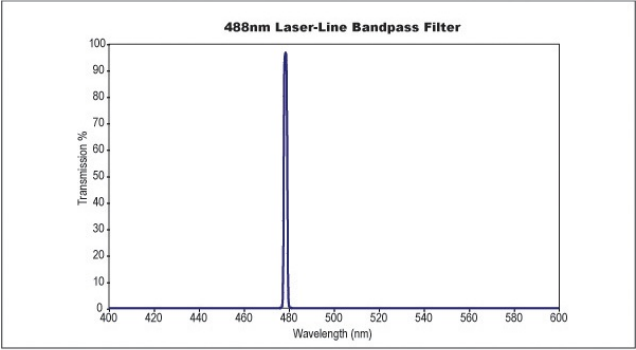
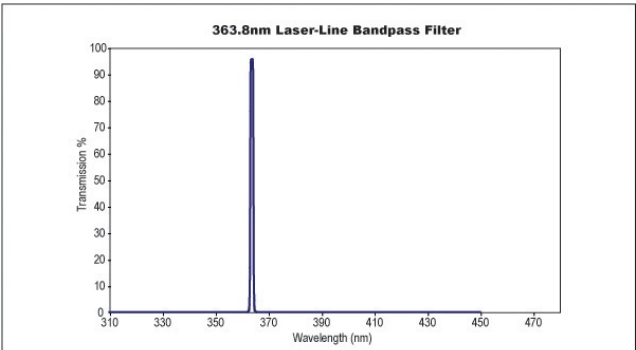
## Product Details

- 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