

[See all 39 Products in Family](#)

488nm High Performance Laser Line Filter 12.5mm Dia



High Performance Laser Line Bandpass Filters

Stock **#47-491** **1 In Stock**

[Additional Bandwidths](#)

⊖ 1 ⊕ €399.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1+	€399,00 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Bandpass Filter **Type:**

Physical & Mechanical Properties

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

≥10 **Clear Aperture CA (mm):**

Construction:

Mounted in Black Anodized Ring

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):

1.9

Beam Deviation (arcsec):

<11

OD 5 Blocking Wavelength Range (nm) :

415 - 483 & 493 - 625

OD 6 Blocking Wavelength Range (nm):

449 - 481 & 495 - 537

Optical Density OD (Average):

≥6.0

Center Wavelength CWL (nm):

488.00

Design Wavelength DWL (nm):

488

Full Width-Half Max FWHM (nm):

1.85 - 3.42

Substrate:

Fused Silica

Minimum Transmission (%):

>90

Coating:

Hard Coated

Surface Quality:

60-40

Transmission (%):

>90

Blocking Wavelength Range (nm):

415 - 483 & 493 - 625

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](#)**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