

## 785nm High Performance Laser Line Filter 25mm Dia.



High Performance Laser Line Bandpass Filters

Stock **#64-257** **20+ In Stock**

[Additional Bandwidths](#)

-

1

+

A\$1,363<sup>20</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | A\$1,363.20 each              |
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General

Type:

Bandpass Filter

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.0/-0.1

Clear Aperture CA (mm):

≥22

Thickness Tolerance (mm):

±0.10

|                                                                           |                                       |
|---------------------------------------------------------------------------|---------------------------------------|
| Mounted in Black Anodized Ring                                            | Construction:                         |
|                                                                           |                                       |
| ML-C-48497A<br>Paragraphs 4.5.3.1, 4.5.3.2, 4.5.3.3, 4.5.4.2, and 4.5.5.3 | Physical Durability:                  |
|                                                                           |                                       |
| 2.0 ±0.1                                                                  | Substrate Thickness (mm):             |
| Optical Properties                                                        |                                       |
| 0 ±2                                                                      | Angle of Incidence (°):               |
|                                                                           |                                       |
| 3.0                                                                       | Bandwidth (nm):                       |
| <11                                                                       | Beam Deviation (arcsec):              |
|                                                                           |                                       |
| 612 - 777 & 793 - 1214                                                    | OD 5 Blocking Wavelength Range (nm) : |
| 722 - 773 & 797 - 864                                                     | OD 6 Blocking Wavelength Range (nm):  |
| ≥6.0                                                                      | Optical Density OD (Average):         |
| 785.00                                                                    | Center Wavelength CWL (nm):           |
| 785                                                                       | Design Wavelength DWL (nm):           |
| 2.98 - 5.5                                                                | Full Width-Half Max FWHM (nm):        |
| Fused Silica                                                              | Substrate: □                          |
| >90                                                                       | Minimum Transmission (%):             |
| Hard Coated                                                               | Coating:                              |
| 60-40                                                                     | Surface Quality:                      |
| >90                                                                       | Transmission (%):                     |
| 612 - 777 & 793 - 1214                                                    | 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<br>Paragraphs 501.4, 502.4, and 507.4                         | Environmental Durability:             |
| 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). Atypical LIDT for these filters is 0.1 J/cm<sup>2</sup> @ 532nm, 10ns.

## Technical Information



## Compatible Mounts