

## 266nm High Performance Laser Line Filter 25mm Dia.



High Performance Laser Line Bandpass Filters

Stock **#12-275** **2 In Stock**

☐ [Additional Bandwidths](#)

-

1

+

£681<sup>60</sup>

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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 (°):             |
| 1.9                                                                                            | Bandwidth (nm):                     |
| OD 5 Blocking Wavelength Range (nm) :<br>242.8 - 263.3 & 268.7 - 302.2                         |                                     |
| OD 6 Blocking Wavelength Range (nm):<br>244.7 - 262 & 270 - 292.6                              |                                     |
| ≥6.0                                                                                           | Optical Density OD (Average):       |
| 266.00                                                                                         | Center Wavelength CWL (nm):         |
| 266                                                                                            | Design Wavelength DWL (nm):         |
| 1.90 - 2.4                                                                                     | Full Width-Half Max FWHM (nm):      |
| Fused Silica                                                                                   | Substrate: <input type="checkbox"/> |
| >55                                                                                            | Minimum Transmission (%):           |
| Hard Coated                                                                                    | Coating:                            |
| 60-40                                                                                          | Surface Quality:                    |
| >55                                                                                            | Transmission (%):                   |
| Blocking Wavelength Range (nm):<br>242.8 - 263.3 & 268.7 - 302.2                               |                                     |
| 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