

## 514.5nm High Performance Laser Line Filter 12.5mm Dia



High Performance Laser Line Bandpass Filters

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

**Angle of Incidence (°):**  
0 ±2

**Bandwidth (nm):**  
2.0

**Beam Deviation (arcsec):**  
<11

**OD 5 Blocking Wavelength Range (nm) :**  
434 - 509 & 520 - 670

|                                                                                                       |
|-------------------------------------------------------------------------------------------------------|
| <b>OD 6 Blocking Wavelength Range (nm):</b><br>473 - 507 & 522 - 566                                  |
| <b>Optical Density OD (Average):</b><br>≥6.0                                                          |
| <b>Clear Aperture CA (mm):</b><br>≥10                                                                 |
| <b>Center Wavelength CWL (nm):</b><br>514.50                                                          |
| <b>Design Wavelength DWL (nm):</b><br>514.5                                                           |
| <b>Full Width-Half Max FWHM (nm):</b><br>1.96 - 3.6                                                   |
| <b>Substrate:</b> <input type="checkbox"/><br>Low Fluorescence <a href="#">N-BK7</a> or equivalent    |
| <b>Minimum Transmission (%):</b><br>>90                                                               |
| <b>Coating:</b><br>Hard Coated                                                                        |
| <b>Surface Quality:</b><br>60-40                                                                      |
| <b>Thickness Tolerance (mm):</b><br>±0.10                                                             |
| <b>Transmission (%):</b><br>>90                                                                       |
| <b>Type:</b><br>Bandpass Filter                                                                       |
| <b>Blocking Wavelength Range (nm):</b><br>434 - 509 & 520 - 670                                       |
| <b>Construction:</b><br>Mounted in Black Anodized Ring                                                |
| <b>Transmitted Wavefront, P-V:</b><br>¼ @ 633nm                                                       |
| <b>Temperature Dependence (ppm/°C):</b><br><5                                                         |
| <b>Environmental Durability:</b><br>ML-STD-810F Paragraphs 501.4, 502.4, and 507.4                    |
| <b>Physical Durability:</b><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 |
| <b>Mount Thickness (mm):</b><br>3.5 ±0.1                                                              |
| <b>Substrate Thickness (mm):</b><br>2.0 ±0.1                                                          |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Reach 209:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |