

## 1030nm High Performance Laser Line Filter 12.5mm Dia.



High Performance Laser Line Bandpass Filters

Stock **#12-273** **3 In Stock**

[Additional Bandwidths](#)

-

1

+

C\$558<sup>.60</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | C\$558.60 each                |
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Product Downloads

| General                          |                           |
|----------------------------------|---------------------------|
| Bandpass Filter                  | Type:                     |
| Physical & Mechanical Properties |                           |
| 12.50 +0.0/-0.1                  | Diameter (mm):            |
| ≥10                              | Clear Aperture CA (mm):   |
| ±0.10                            | Thickness Tolerance (mm): |

|                                                                       |  |
|-----------------------------------------------------------------------|--|
| Construction:                                                         |  |
| Mounted in Black Anodized Ring                                        |  |
| Physical Durability:                                                  |  |
| ML-C-48497AParagraphs 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):                       |  |
| 3.9                                   |  |
| OD 5 Blocking Wavelength Range (nm) : |  |
| 947.6 - 1014.6 & 1040.3 - 1368.2      |  |
| OD 6 Blocking Wavelength Range (nm):  |  |
| 1014.6 - 1019.7 & 1045.5 - 1133       |  |
| Optical Density OD (Average):         |  |
| ≥6.0                                  |  |
| Center Wavelength CWL (nm):           |  |
| 1,030.00                              |  |
| Design Wavelength DWL (nm):           |  |
| 1030                                  |  |
| Full Width-Half Max FWHM (nm):        |  |
| 3.90 - 7.2                            |  |
| Substrate: <input type="checkbox"/>   |  |
| Fused Silica                          |  |
| Minimum Transmission (%):             |  |
| >90                                   |  |
| Coating:                              |  |
| Hard Coated                           |  |
| Surface Quality:                      |  |
| 60-40                                 |  |
| Transmission (%):                     |  |
| >90                                   |  |
| Blocking Wavelength Range (nm):       |  |
| 947.6 - 1014.6 & 1040.3 - 1368.2      |  |

## Threading & Mounting

|                       |  |
|-----------------------|--|
| Mount Thickness (mm): |  |
| 3.5 ±0.1              |  |

## Environmental & Durability Factors

|                                                |  |
|------------------------------------------------|--|
| 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 noisyspontaneous 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/cm<sup>2</sup> @ 532nm, 10ns.

## Technical Information



Compatible Mounts