

TECHSPEC®

30mm Diameter, 980nm V-Coat, λ/4 N-BK7 Window

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Stock **#83-522**

3-4 DAYS

-

1

+

€105<sup>00</sup>

ADD TO CART

Qty 1-5

€105,00

Qty 6+

€84,00

Volume Pricing

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 Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Laser Line Window

Type:

| Physical & Mechanical Properties |                         |
|----------------------------------|-------------------------|
| Protective as needed             | Bevel:                  |
| 27.00                            | Clear Aperture CA (mm): |
| 30.00 +0.00/-0.25                | Diameter (mm):          |
| 4.00 ±0.20                       | Thickness (mm):         |
| ≤1                               | Parallelism (arcmin):   |
| 82                               | Young's Modulus (GPa):  |
| 0.206                            | Poisson's Ratio:        |
| Fine Ground                      | Edges:                  |

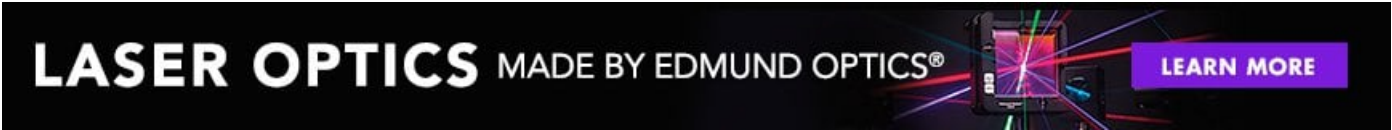
| Optical Properties              |                                        |
|---------------------------------|----------------------------------------|
| Laser V-Coat (980nm)            | Coating:                               |
| R <sub>abs</sub> <0.25% @ 980nm | Coating Specification:                 |
| 980                             | Design Wavelength DWL (nm):            |
| <a href="#">N-BK7</a>           | Substrate:                             |
| λ/4                             | Surface Flatness (P-V):                |
| 60-40                           | Surface Quality:                       |
| 1.516                           | Index of Refraction (n <sub>d</sub> ): |
| 64.17                           | Abbe Number (v <sub>d</sub> ):         |

| Material Properties                                                                                       |                  |
|-----------------------------------------------------------------------------------------------------------|------------------|
| Coefficient of Thermal Expansion CTE (10 <sup>-6</sup> /°C):<br>7.1 (-30 to +70°C)<br>8.3 (+20 to +300°C) |                  |
| 2.51                                                                                                      | Density (g/cm³): |

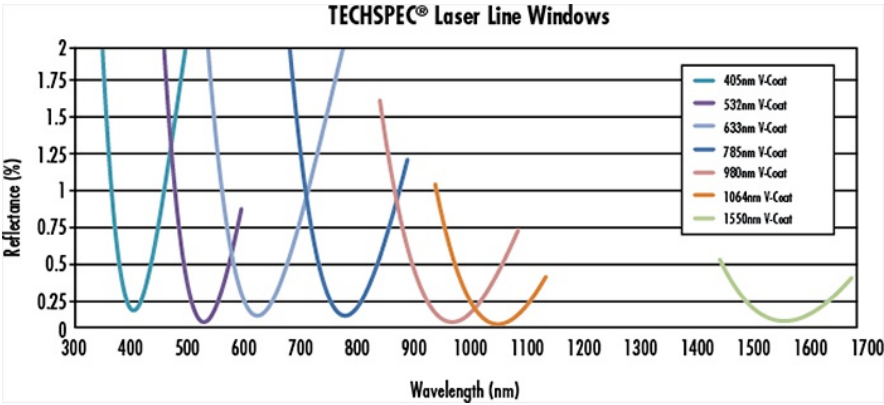
| Regulatory Compliance     |                             |
|---------------------------|-----------------------------|
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">View</a>      | Certificate of Conformance: |
| <a href="#">Compliant</a> | Reach 235:                  |

## PRODUCT DETAILS

- <0.25% Reflection at Design Wavelength
  - Coatings Available for HeNe, Diode, and Nd:YAG Laser Sources
  - Precision N-BK7 Substrate
  - Also Available [Uncoated](#), [MgF<sub>2</sub> Coated](#) and [VIS 0° Coated](#)
- TECHSPEC® λ/4 N-BK7 Laser Line Windows are ideally suited for industrial and low power laser applications. The high tolerance design yields minimal beam distortion and scatter. Anti-reflection coatings provide <0.25% reflection at the coating's design wavelengths.



## TECHNICAL INFORMATION



## CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## COMPATIBLE MOUNTS