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TECHSPEC® 25mm Diameter, 1064nm V-Coat, $\lambda/4$ N-BK7 Window

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Stock #49-151 [CONTACT US](#)

⊖ 1 ⊕ €117⁰⁰

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Volume Pricing

Qty 1-5	€117,00 each
Qty 6-25	€94,00 each
Qty 26-49	€88,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Lasert Line Window **Type:**

Physical & Mechanical Properties

22.50 **Clear Aperture CA (mm):**

Diameter (mm):

25.00 +0.00/-0.25

4.00 ±0.20 **Thickness (mm):**

≤1 **Parallelism (arcmin):**

Protective as needed **Bevel:**

90 **Clear Aperture (%):**

Fine Ground **Edges:**

0.21 **Poisson's Ratio:**

82 **Young's Modulus (GPa):**

610.00 **Knoop Hardness (kg/mm²):**

Optical Properties

Laser V-Coat (1064nm) **Coating:**

1064 **Design Wavelength DWL (nm):**

[N-BK7](#) **Substrate:**

1.516 **Index of Refraction (n_d):**

60-40 **Surface Quality:**

64.17 **Abbe Number (v_d):**

R_{abs} <0.25% @ 1064nm **Coating Specification:**

λ/4 **Surface Flatness (P-V):**

Material Properties

2.51 **Density (g/cm³):**

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):
7.1 (-30 to +70°C)
8.3 (+20 to +300°C)

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 235:**

Product Details

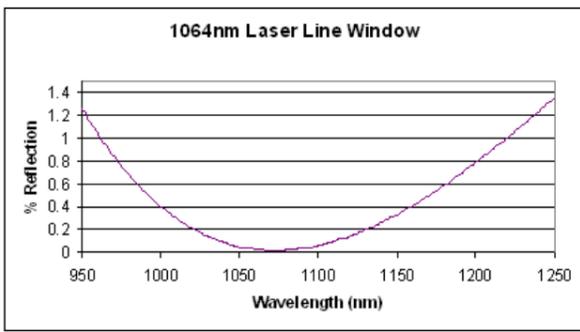
- <0.25% Reflection at Design Wavelength
- Coatings Available for HeNe, Diode, and Nd:YAG Laser Sources
- Precision N-BK7 Substrate
- Also Available [Uncoated](#), [MgF₂ Coated](#) and [VIS 0° Coated](#)

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.

LASER OPTICS MADE BY EDMUND OPTICS®

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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
