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TECHSPEC® 25mm Diameter, 980nm V-Coat, $\lambda/4$ N-BK7 Window

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Stock #83-521 **20+ In Stock**

- 1 + MRP ₹11,805

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹11,805 each
Qty 6-25	₹9,484 each
Qty 26-49	₹8,878 each
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General

Laser Line Window **Type:**

Glass **Type of Window:**

Physical & Mechanical Properties

Clear Aperture CA (mm):

22.50

25.00 +0.00/-0.25

Diameter (mm):

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 (980nm)

Coating:

980

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% @ 980nm

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:

United States

Country of Origin:

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Need different specs or modifications?

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:

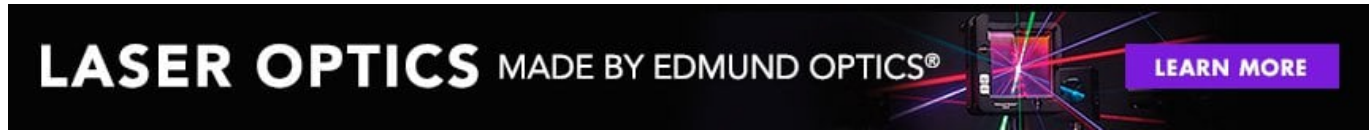
- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

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

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® N4 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



Compatible Mounts