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TECHSPEC® 12.5mm Diameter, 1550nm V-Coat, $\lambda/4$ N-BK7 Window

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Stock #83-528 **20+ In Stock**

- 1 + MRP ₹10,038

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹10,038 each
Qty 6-25	₹8,071 each
Qty 26-49	₹7,517 each
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Product Downloads

General

Lasert Line Window **Type:**

Glass **Type of Window:**

Physical & Mechanical Properties

Clear Aperture CA (mm):

11.25	
12.50 +0.00/-0.25	Diameter (mm):
3.00 ±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 (1550nm)	Coating:
1550	Design Wavelength DWL (nm):
N-BK7	Substrate: <input type="checkbox"/>
1.516	Index of Refraction (n_d):
60-40	Surface Quality:
64.17	Abbe Number (v_d):
R _{abs} <0.25% @ 1550nm	Coating Specification:
λ/4	Surface Flatness (P-V):

Material Properties

2.51	Density (g/cm³):
7.1 (-30 to +70°C) 8.3 (+20 to +300°C)	Coefficient of Thermal Expansion CTE (10⁻⁶/°C):

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:
Singapore	Country of Origin:
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	Imported By:

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