

[See all 70 Products in Family](#)

TECHSPEC® 50mm Diameter, 532nm V-Coat, $\lambda/4$ N-BK7 Window

See More by [SCHOTT Optical Components](#)



Stock #49-134 **20+ In Stock**

1 £112⁰⁰

ADD TO CART

Volume Pricing

Qty 1-5	£112.80 each
Qty 6-25	£89.60 each
Qty 26-49	£84.00 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Lasert Line Window **Type:**

Physical & Mechanical Properties

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

Diameter (mm):

50.00 +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 (532nm) **Coating:**

532 **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% @ 532nm **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

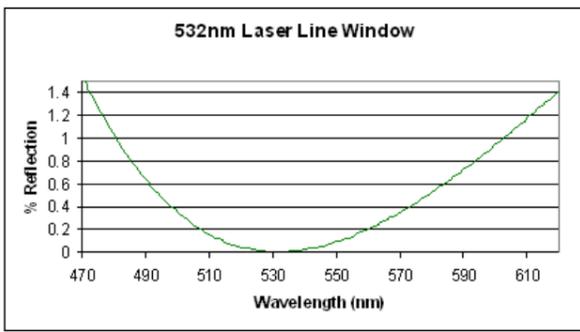
- <0.25% Reflection at Design Wavelength
- Coatings Available for HeNe, Diode, and Nd:YAG Laser Sources
- Precision N-BK7 Substrate
- Also Available [Uncoated](#), [MgF₂ Coated](#) and [VIS 0° Coated](#)

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®

[LEARN MORE](#)

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