

[See all 70 Products in Family](#)

**TECHSPEC® 15mm Diameter, 633nm V-Coat,  $\lambda/4$  N-BK7 Window**

See More by [SCHOTT Optical Components](#)



Stock #49-139 **20+ In Stock**

⊖ 1 ⊕ S\$141<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	S\$141.40 each
Qty 6-25	S\$113.40 each
Qty 26-49	S\$105.70 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Laser Line Window **Type:**

**Physical & Mechanical Properties**

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

15.00 +0.00/-0.25 **Diameter (mm):**

3.00 ±0.20	<b>Thickness (mm):</b>
≤1	<b>Parallelism (arcmin):</b>
Protective as needed	<b>Bevel:</b>
90	<b>Clear Aperture (%):</b>
Fine Ground	<b>Edges:</b>
0.21	<b>Poisson's Ratio:</b>
82	<b>Young's Modulus (GPa):</b>
610.00	<b>Knoop Hardness (kg/mm<sup>2</sup>):</b>

## Optical Properties

Laser V-Coat (633nm)	<b>Coating:</b>
633	<b>Design Wavelength DWL (nm):</b>
<b>N-BK7</b>	<b>Substrate:</b> <input type="checkbox"/>
1.516	<b>Index of Refraction (n<sub>d</sub>):</b>
60-40	<b>Surface Quality:</b>
64.17	<b>Abbe Number (v<sub>d</sub>):</b>
R <sub>abs</sub> <0.25% @ 633nm	<b>Coating Specification:</b>
λ/4	<b>Surface Flatness (P-V):</b>

## Material Properties

2.51	<b>Density (g/cm<sup>3</sup>):</b>
7.1 (-30 to +70°C) 8.3 (+20 to +300°C)	<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>

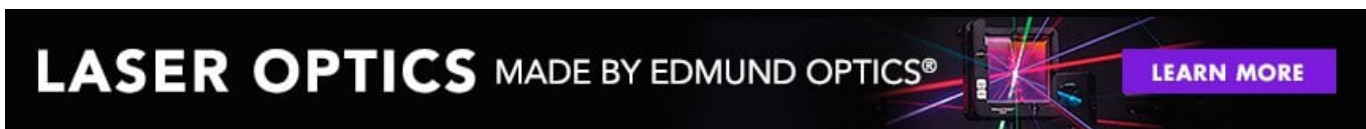
## Regulatory Compliance

<b>Compliant</b>	<b>RoHS 2015:</b>
<b>View</b>	<b>Certificate of Conformance:</b>
<b>Compliant</b>	<b>Reach 235:</b>

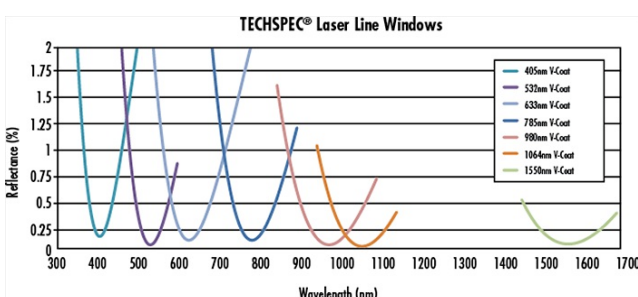
## Product Details

- <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

---

;