

## TECHSPEC® 9mm Diameter, 633nm V-Coat, λ/4 N-BK7 Window

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Stock #49-136 3-4 DAYS

⊖ 1 ⊕ €87<sup>00</sup>

**ADD TO CART**

Qty 1-5

€87,00

Qty 6+

€70,00

Volume Pricing

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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads



## SPECIFICATIONS

### General

Type:  
Laser Line Window

## Physical & Mechanical Properties

**Bevel:**  
Protective as needed

**Clear Aperture CA (mm):**  
8.10

**Diameter (mm):**  
9.00 +0.00/-0.25

**Thickness (mm):**  
2.00 ±0.20

**Parallelism (arcmin):**  
≤1

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

**Poisson's Ratio:**  
0.206

**Edges:**  
Fine Ground

## Optical Properties

**Coating:**  
Laser V-Coat (633nm)

**Coating Specification:**  
R<sub>abs</sub> <0.25% @ 633nm

**Design Wavelength DWL (nm):**  
633

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

**Surface Flatness (P-V):**  
λ/4

**Surface Quality:**  
60-40

**Index of Refraction (n<sub>d</sub>):**  
1.516

**Abbe Number (v<sub>d</sub>):**  
64.17

## Material Properties

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

**Density (g/cm<sup>3</sup>):**  
2.51

## Regulatory Compliance

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

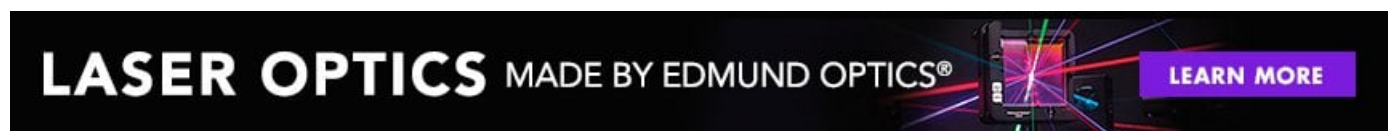
**Certificate of Conformance:**  
[View](#)

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

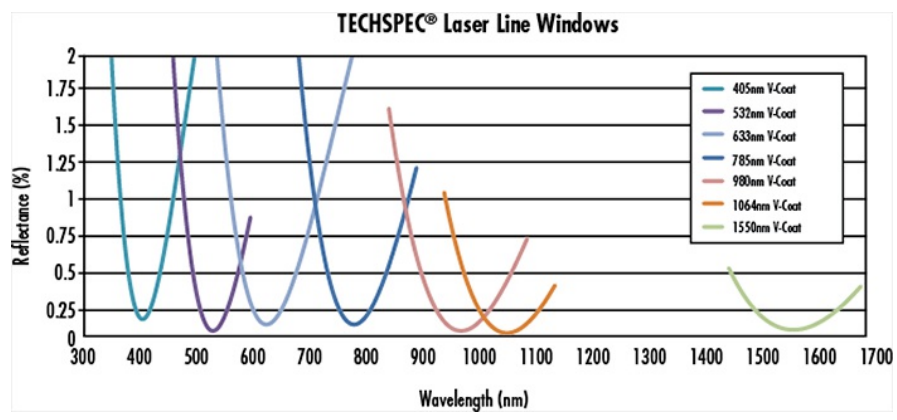
## PRODUCT DETAILS

- <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® N/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



## COMPATIBLE MOUNTS