

TECHSPEC® 5mm Diameter, 532nm V-Coat, λ/4 N-BK7 Window

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Stock #49-125 3-4 DAYS

⊖ 1 ⊕ €87⁰⁰

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):
4.50

Diameter (mm):
5.00 +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 (532nm)

Coating Specification:
R_{abs} <0.25% @ 532nm

Design Wavelength DWL (nm):
532

Substrate:
[N-BK7](#)

Surface Flatness (P-V):
λ/4

Surface Quality:
60-40

Index of Refraction (n_d):
1.516

Abbe Number (v_d):
64.17

Material Properties

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

Density (g/cm³):
2.51

Regulatory Compliance

RoHS 2015:
[Compliant](#)

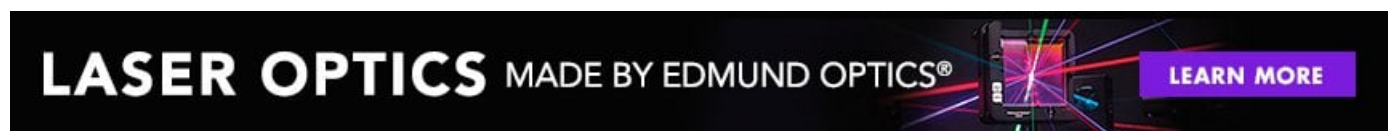
Certificate of Conformance:
[View](#)

Reach 235:
[Compliant](#)

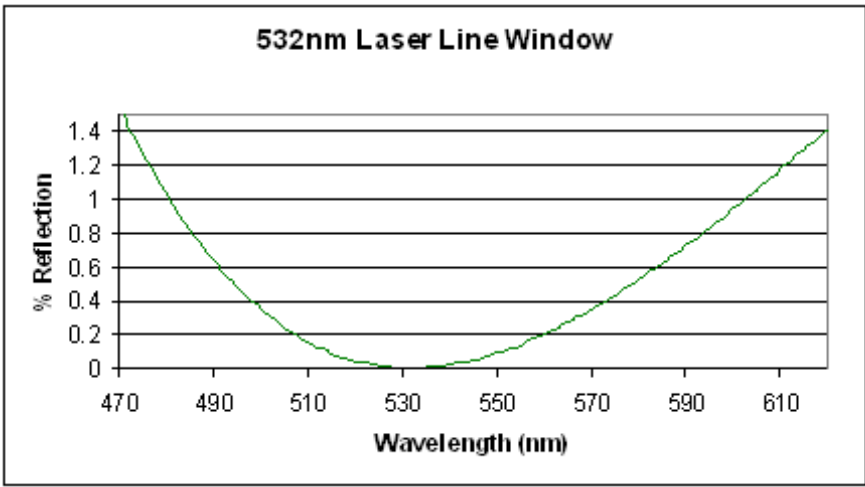
PRODUCT DETAILS

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