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TECHSPEC® 12.5mm Diameter, 785nm V-Coat, λ/4 N-BK7 Window

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Stock **#64-048** **14 In Stock**

- 1 + **A$159.20**

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Volume Pricing	
Qty 1-5	**A$159.20** each
Qty 6-25	**A$128.00** each
Qty 26-49	**A$119.20** each
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Product Downloads

General

Type:

Laser Line Window

Physical & Mechanical Properties

Clear Aperture CA (mm):

11.25

Diameter (mm):

12.50 +0.00/-0.25

Thickness (mm):
3.00 ±0.20

Parallelism (arcmin):
≤1

Bevel:
Protective as needed

Clear Aperture (%):
90

Edges:
Fine Ground

Poisson's Ratio:
0.21

Young's Modulus (GPa):
82

Knoop Hardness (kg/mm^2):
610.00

Optical Properties

Coating:
Laser V-Coat (785nm)

Design Wavelength DWL (nm):
785

Substrate:
N-BK7

Index of Refraction (n_d):
1.516

Surface Quality:
60-40

Abbe Number (v_d):
64.17

Coating Specification:
R_{abs} <0.25% @ 785nm

Surface Flatness (P-V):
λ/4

Material Properties

Density (g/cm^3):
2.51

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

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

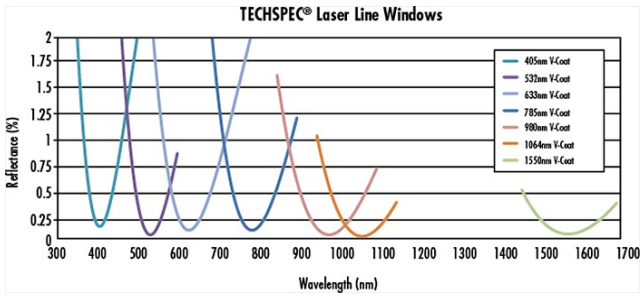
Reach 235:
Compliant

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_2 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

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