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TECHSPEC® 5mm Dia. 266nm Laser V-Coat, λ/20 Fused Silica Window

Uncoated λ/20 Fused Silica Window

Stock **#65-851** **20+ In Stock**

- 1 + **€152**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**€152,00** each
Qty 6-25	**€136,00** each
Qty 26-49	**€120,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Laser Line Window

Type of Window:
Glass

Physical & Mechanical Properties

Clear Aperture CA (mm):

4.50

Diameter (mm):
5.00 +0.00/-0.10

Thickness (mm):
3.00 ±0.10

Bevel:
Protective as needed

Clear Aperture (%):
90

Edges:
Fine Ground

Parallelism (arcsec):
≤5

Poisson's Ratio:
0.16

Young's Modulus (GPa):
73

Knoop Hardness (kg/mm^2):
522.00

Optical Properties

Angle of Incidence (°):
0

Coating:
Laser V-Coat (266nm)

Design Wavelength DWL (nm):
266

Substrate:
Fused Silica Excimer Grade (Corning 7980 KrF)

Index of Refraction (n_d):
1.458

Surface Quality:
10-5

Transmitted Wavefront, P-V:
λ/20

Abbe Number (v_d):
67.8

Coating Specification:
R_{abs} <0.25% @ 266nm

Damage Threshold, By Design:
2 J/cm^2 @ 10ns

Material Properties

Density (g/cm^3):
2.20

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
0.52 (+5 to +35°C)
0.57 (0 to +200°C)
0.48 (-100 to +200°C)

Fused Silica Grade:
7980 KrF 0A

Regulatory Compliance

RoHS 2015:
Compliant

REACH 201:
Compliant

Certificate of Conformance:
View

Need different specs or modifications?

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

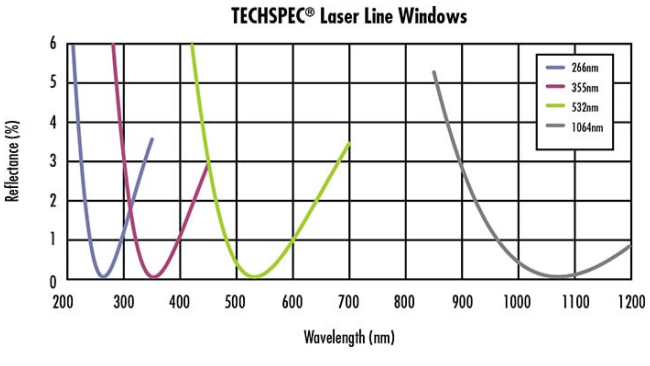
Learn more about our custom manufacturing capabilities or submit an inquiry here.

Product Details

- R < 0.25% for 266nm, 355nm, 532nm or 1064nm
- Low Auto-Fluorescence
- Damage Thresholds up to 10 J/cm^2 @ 10ns @ 1064nm

TECHSPEC® *N*20 High Power Laser Line Windows features a high efficiency, high damage threshold V-coating to maximize transmission at the design wavelength. Damage thresholds ranging from 2 - 10J/cm^2 allow easy integration into most Nd:YAG laser systems. The coating is deposited on a precision excimer grade UV grade fused silica substrate for excellent thermal stability, low wavefront distortion, and ultra-low auto-fluorescence. TECHSPEC® *N*20 High Power Laser Line Windows are available in diameters ranging from 5 to 50mm. For custom options or wedged versions, please contact our **Sales Department**.

Technical Information



Compatible Mounts

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