

TECHSPEC[®] 20mm Dia. 1064nm Laser V-Coat, *N*/20 Fused Silica Window



Uncoated *N*/20 Fused Silica Window

Stock **#65-864** 20+ In Stock

-

1

+

€163^{.00}

ADD TO CART

Volume Pricing	
Qty 1-5	€163,00 each
Qty 6-25	€147,00 each
Qty 26-49	€130,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General	
Laser Line Window	Type:
Physical & Mechanical Properties	
18.00	Clear Aperture CA (mm):
	Diameter (mm):

20.00 +0.00/-0.10	
3.00 ±0.10	Thickness (mm):
Protective as needed	Bevel:
90	Clear Aperture (%):
Fine Ground	Edges:
≤5	
0.16	Parallelism (arcsec):
0.16	Poisson's Ratio:
73	
522.00	Young's Modulus (GPa):
	Knoop Hardness (kg/mm²):

Optical Properties	
0	Angle of Incidence (°):
Laser V-Coat (1064nm)	Coating:
1064	Design Wavelength DWL (nm):
Fused Silica	Substrate: ☐
	Excimer Grade (Corning 7980 KrF)
1.458	Index of Refraction (n _d):
10-5	Surface Quality:
λ/20	
67.8	Transmitted Wavefront, P-V:
	Abbe Number (v _d):
R _{abs} <0.25% @ 1064nm	
10 J/cm² @ 10ns	Coating Specification:
Damage Threshold, By Design:	

Material Properties	
2.20	Density (g/cm³):
0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C)	Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):
7980 KrF 0A	Fused Silica Grade:

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Reach 247:	
Compliant	

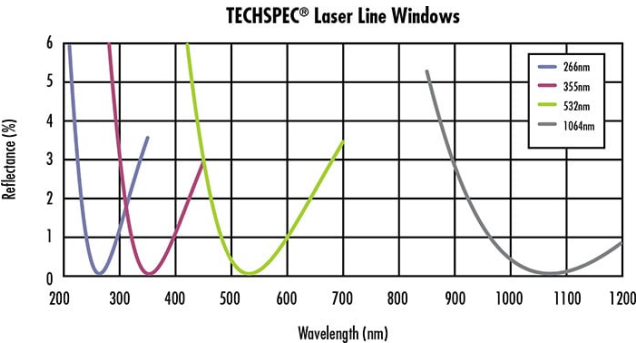
Product Details

- R < 0.25% for 266nm, 355nm, 532nm or 1064nm
- Low Auto-Fluorescence
- Damage Thresholds up to 10 J/cm² @ 10ns @ 1064nm

TECHSPEC® λ/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/cm² 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® λ/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



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