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TECHSPEC® 50mm Dia. 355nm Laser V-Coat, $\lambda/20$ Fused Silica Window



Uncoated $\lambda/20$ Fused Silica Window

Stock **#65-867** [CONTACT US](#)

1 [-](#) [+](#) MRP ₹31,781

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹31,781 each
Qty 6-25	₹28,451 each
Qty 26-49	₹25,223 each
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Product Downloads

General

Laser Line Window **Type:**

Glass **Type of Window:**

Physical & Mechanical Properties

Clear Aperture CA (mm):

45.00	
50.00 +0.00/-0.10	Diameter (mm):
3.00 ±0.10	Thickness (mm):
Protective as needed	Bevel:
90	Clear Aperture (%):
Fine Ground	Edges:
≤5	Parallelism (arcsec):
0.16	Poisson's Ratio:
73	Young's Modulus (GPa):
522.00	Knoop Hardness (kg/mm²):

Optical Properties

0	Angle of Incidence (°):
Laser V-Coat (355nm)	Coating:
355	Design Wavelength DWL (nm):
Fused Silica Excimer Grade (Corning 7980 KrF)	Substrate: <input type="checkbox"/>
1.458	Index of Refraction (n_d):
10-5	Surface Quality:
λ/20	Transmitted Wavefront, P-V:
67.8	Abbe Number (v_d):
R _{abs} <0.25% @ 355nm	Coating Specification:
4 J/cm ² @ 10ns	Damage Threshold, By Design: <input type="checkbox"/>

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:
Compliant	REACH 201:
View	Certificate of Conformance:
United States	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

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

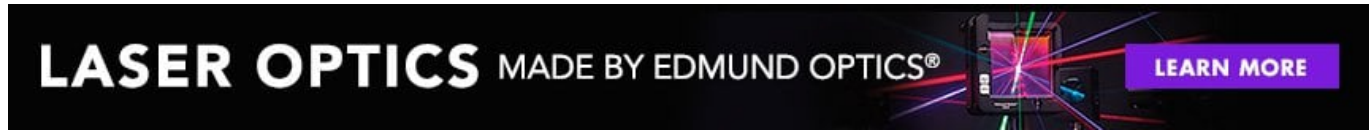
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

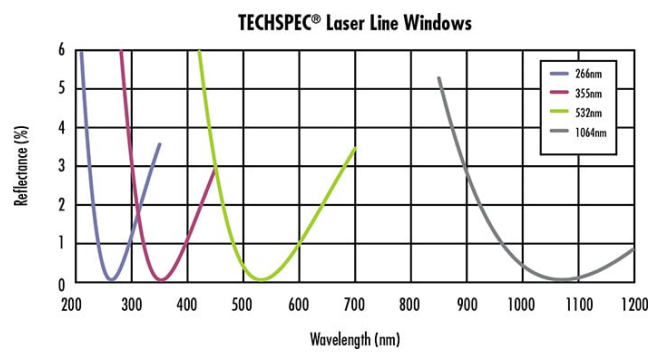
Product Details

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

TECHSPEC® X20 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 - 10 J/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® X20 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