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TECHSPEC® 5mm Dia. 532nm Laser V-Coat, $\lambda/20$ Fused Silica Window



Uncoated $\lambda/20$ Fused Silica Window

Stock **#65-853** **1 In Stock**

MRP ₹15,335

Price inclusive of all taxes

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | ₹15,335 each |
| Qty 6-25 | ₹13,721 each |
| Qty 26-49 | ₹12,107 each |
| Need More? | Request Quote |

Product Downloads

General

Laser Line Window **Type:**

Glass **Type of Window:**

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/mm²): |
| 522.00 | |

Optical Properties

| | |
|---|--|
| | Angle of Incidence (°): |
| 0 | |
| | Coating: |
| Laser V-Coat (532nm) | |
| | Design Wavelength DWL (nm): |
| 532 | |
| | Substrate: <input type="checkbox"/> |
| 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% @ 532nm | |
| | Damage Threshold, By Design: <input type="checkbox"/> |
| 10 J/cm ² @ 10ns | |

Material Properties

| | |
|-----------------------|---|
| | Density (g/cm³): |
| 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 | |
| | Country of Origin: |
| United States | |
| | Imported By: |
| 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 | |

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

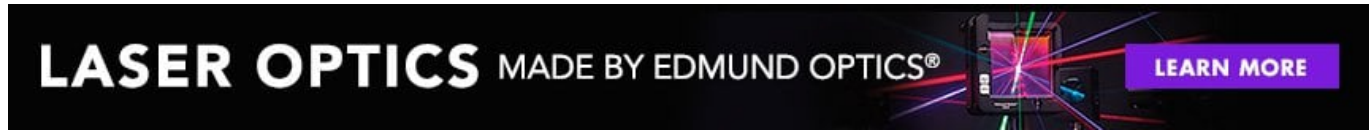
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

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

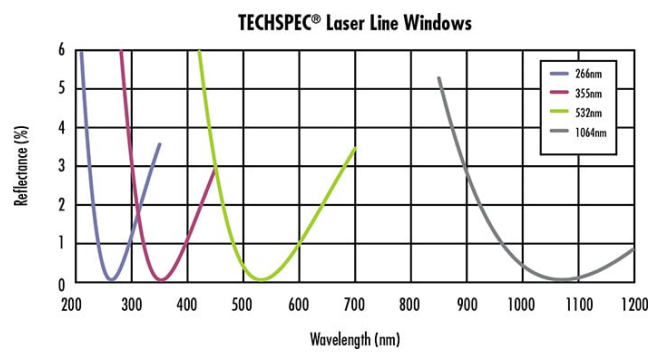
Product Details

- $R < 0.25\%$ 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