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



Uncoated $\lambda/20$ Fused Silica Window

Stock #65-862 **20+ In Stock**

⊖ 1 ⊕ £130⁴⁰

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Volume Pricing	
Qty 1-5	£130.40 each
Qty 6-25	£117.60 each
Qty 26-49	£104.00 each
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! 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 **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):**

Substrate:
Fused Silica Excimer Grade (Corning 7980 KrF)

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/cm² @ 10ns **Damage Threshold, By Design:**

Material Properties

2.20 **Density (g/cm³):**

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)

7980 KrF 0A **Fused Silica Grade:**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[Compliant](#) **REACH 201:**

[View](#) **Certificate of Conformance:**

Product Details

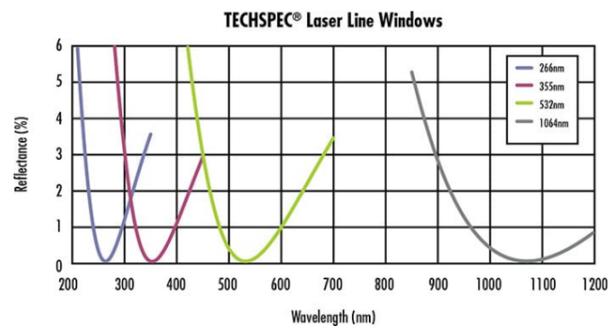
- R < 0.25% for 266nm, 355nm, 532nm or 1064nm
- Low Auto-Fluorescence
- Damage Thresholds up to 10 J/cm² @ 10ns @ 1064nm

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](#).

LASER OPTICS MADE BY EDMUND OPTICS®

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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
