

TECHSPEC<sup>®</sup> 10mm Dia. 355nm Laser V-Coat, λ/20 Fused Silica Window



Uncoated λ/20 Fused Silica Window

Stock **#65-857** 1 In Stock

-

1

+

C\$207<sup>76</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$207.76 each                |
| Qty 6-25       | C\$185.50 each                |
| Qty 26-49      | C\$163.24 each                |
| Need More?     | <a href="#">Request Quote</a> |

| Product Downloads |
|-------------------|
|-------------------|

SPECIFICATIONS

General

Type:  
Laser Line Window

Physical & Mechanical Properties

|                      |                          |
|----------------------|--------------------------|
| 9.00                 | Clear Aperture CA (mm):  |
|                      |                          |
| 10.00 +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):            |
|                                                               |                                        |
| <a href="#">Fused Silica</a> Excimer Grade (Corning 7980 KrF) | Substrate: <input type="checkbox"/>    |
|                                                               |                                        |
| 1.458                                                         | Index of Refraction (n <sub>d</sub> ): |
|                                                               |                                        |
| 10-5                                                          | Surface Quality:                       |
|                                                               |                                        |
| λ/20                                                          | Transmitted Wavefront, P-V:            |
|                                                               |                                        |
| 67.8                                                          | Abbe Number (v <sub>d</sub> ):         |
|                                                               |                                        |
| R <sub>abs</sub> <0.25% @ 355nm                               | Coating Specification:                 |
|                                                               |                                        |
| 4 J/cm² @ 10ns                                                | Damage Threshold, By Design:           |
|                                                               |                                        |

Material Properties

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

Regulatory Compliance

|                           |                             |
|---------------------------|-----------------------------|
| <a href="#">Compliant</a> | RoHS 2015:                  |
|                           |                             |
| <a href="#">Compliant</a> | REACH 201:                  |
|                           |                             |
| <a href="#">View</a>      | 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](#).

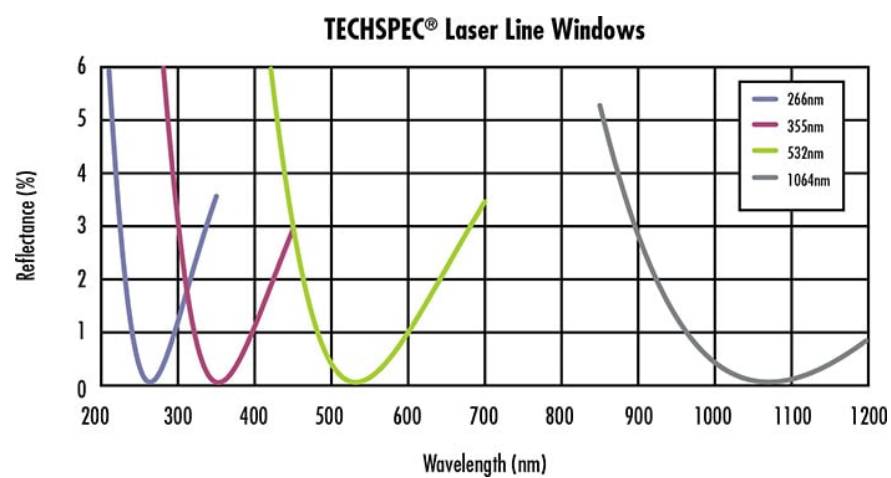
LASER OPTICS

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