

TECHSPEC<sup>®</sup> 50.8mm Dia., 9.53mm Thick, 343nm, *N*/10 Fused Silica Window



TECHSPEC *N*/10 Laser Line Coated Windows

Stock **#39-675** [CONTACT US](#)

-

1

+

£236<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £236.00 each                  |
| Qty 6-25       | £188.80 each                  |
| Qty 26-49      | £177.60 each                  |
| Need More?     | <a href="#">Request Quote</a> |

**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:  
Laser Line Window

Type of Window:  
Glass

Physical & Mechanical Properties

Thickness (mm):

|                      |                         |
|----------------------|-------------------------|
| 9.53 ±0.20           |                         |
| 45.72                | Clear Aperture CA (mm): |
|                      |                         |
| 50.80 +0.00/-0.10    | Diameter (mm):          |
|                      |                         |
| 90                   | Clear Aperture (%):     |
|                      |                         |
| <3                   | Parallelism (arcmin):   |
|                      |                         |
| Protective as needed | Bevel:                  |
|                      |                         |
| Fine Ground          | Edges:                  |

Optical Properties

|                                           |                                                       |
|-------------------------------------------|-------------------------------------------------------|
|                                           | Substrate: <input type="checkbox"/>                   |
| Fused Silica (Corning 7980)               |                                                       |
| 1.458                                     | Index of Refraction (n <sub>d</sub> ):                |
|                                           |                                                       |
| 10-5                                      | Surface Quality:                                      |
|                                           |                                                       |
| 0                                         | Angle of Incidence (°):                               |
|                                           |                                                       |
| Laser V-Coat (343nm)                      | Coating:                                              |
|                                           |                                                       |
| 343                                       | Design Wavelength DWL (nm):                           |
|                                           |                                                       |
| 67.8                                      | Abbe Number (v <sub>d</sub> ):                        |
|                                           |                                                       |
| λ/10                                      | Surface Flatness (P-V):                               |
|                                           |                                                       |
| R <sub>abs</sub> <0.25% @ 343nm           | Coating Specification:                                |
|                                           |                                                       |
| 7.5 J/cm <sup>2</sup> @ 343nm, 20ns, 20Hz | Damage Threshold, By Design: <input type="checkbox"/> |
|                                           |                                                       |
| 7.5 J/cm <sup>2</sup> @ 343nm, 20ns, 20Hz | Damage Threshold, Pulsed:                             |

Material Properties

|         |                     |
|---------|---------------------|
|         | Fused Silica Grade: |
| 7980 0F |                     |

Regulatory Compliance

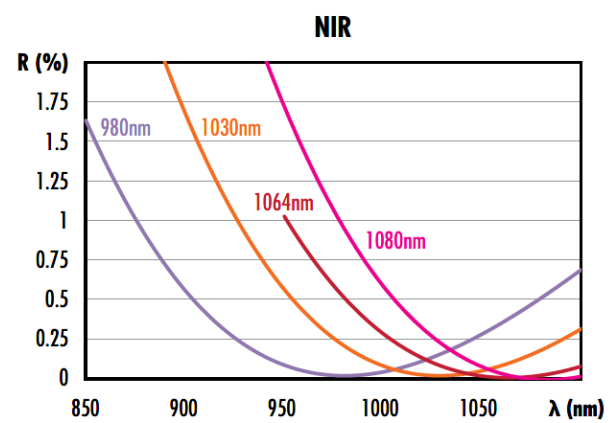
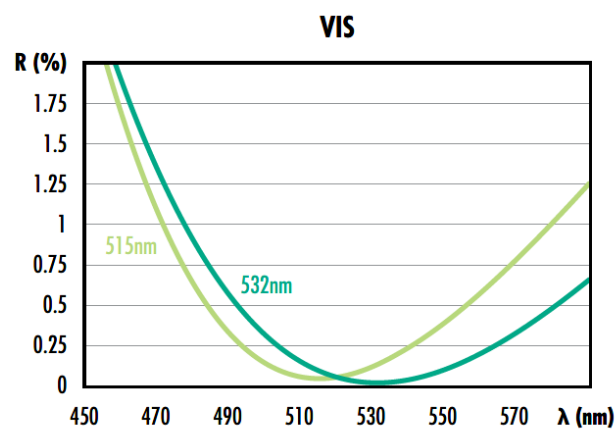
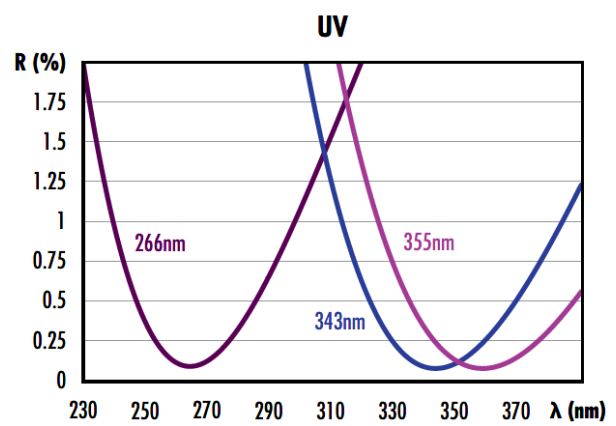
|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
|           |                             |
| Compliant | Reach 209:                  |
|           |                             |
| View      | Certificate of Conformance: |

Product Details

- 10-5 Surface Quality
- Damage Thresholds at Design Wavelengths
- Diameters from 12.5 to 76.2mm Available
- Uncoated Substrates Available

TECHSPEC® λ/10 Laser Line Coated Windows are designed for direct integration into laser applications. This robust product family features common imperial sizes, many of which offer multiple thickness options. Anti-reflection coatings are available at common laser wavelengths, minimizing surface reflection for optimal system transmission. TECHSPEC λ/10 Laser Line Coated Windows provide laser grade specifications including λ/10 surface flatness, 10-5 surface quality, and <3 arcmin parallelism. These windows are ideal for industrial laser applications ranging from protective coverings to separating various environments.

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