

**TECHSPEC® 76.2mm Dia., 12.7mm Thick, 1030nm, M10 Fused Silica Window**



TECHSPEC M10 Laser Line Coated Windows

Stock **#27-042** **20+ In Stock**

1  €824<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€824,00 each
Qty 6-25	€659,20 each
Qty 26-49	€618,00 each
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**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

**SPECIFICATIONS**

**General**

Laser Line Window **Type:**

Glass **Type of Window:**

## Physical & Mechanical Properties

68.58 **Clear Aperture CA (mm):**

76.20 +0.00/-0.10 **Diameter (mm):**

12.70 ±0.20 **Thickness (mm):**

<3 **Parallelism (arcmin):**

Protective as needed **Bevel:**

90 **Clear Aperture (%):**

Fine Ground **Edges:**

## Optical Properties

0 **Angle of Incidence (°):**

Laser V-Coat (1030nm) **Coating:**

1030 **Design Wavelength DWL (nm):**

[Fused Silica](#) (Corning 7980) **Substrate:**

1.458 **Index of Refraction (n<sub>d</sub>):**

10-5 **Surface Quality:**

67.8 **Abbe Number (v<sub>d</sub>):**

R<sub>abs</sub> <0.25% @ 1030nm **Coating Specification:**

λ/10 **Surface Flatness (P-V):**

15 J/cm<sup>2</sup> @ 1030nm, 20ns, 20Hz **Damage Threshold, By Design:**

## Material Properties

7980 0A **Fused Silica Grade:**

## Regulatory Compliance

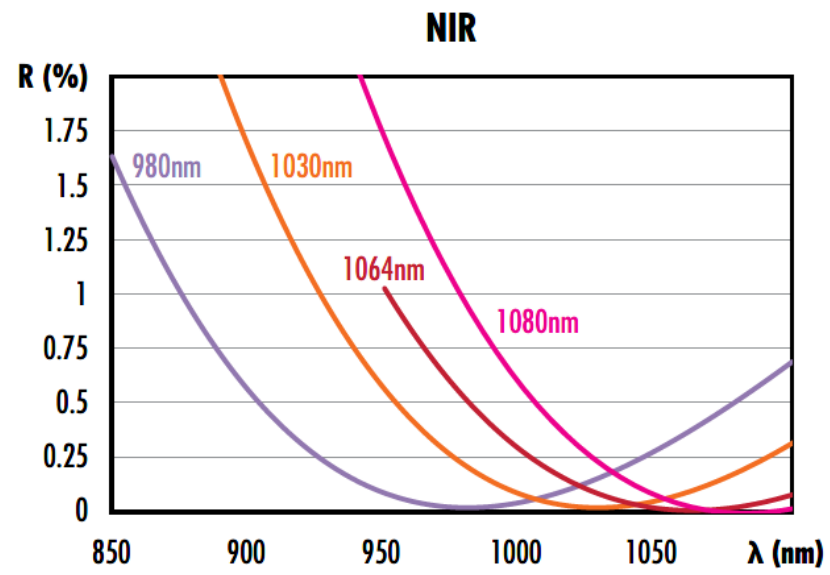
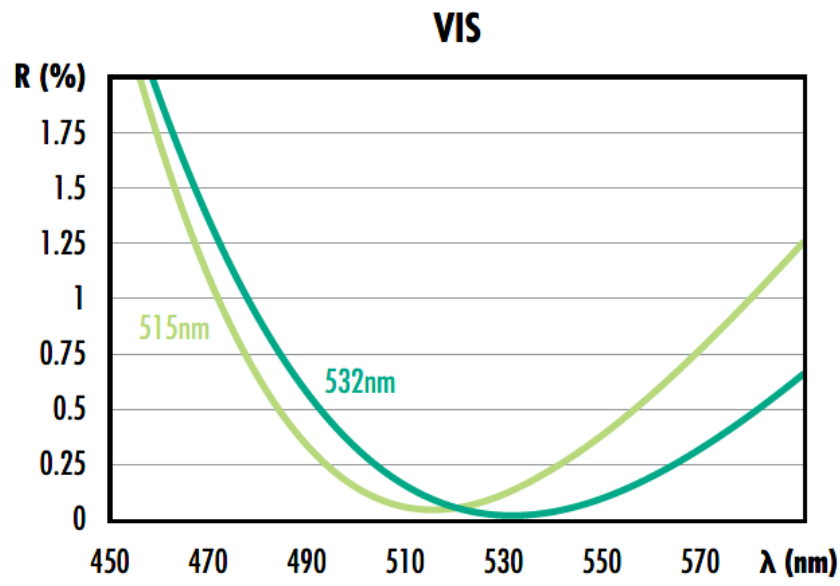
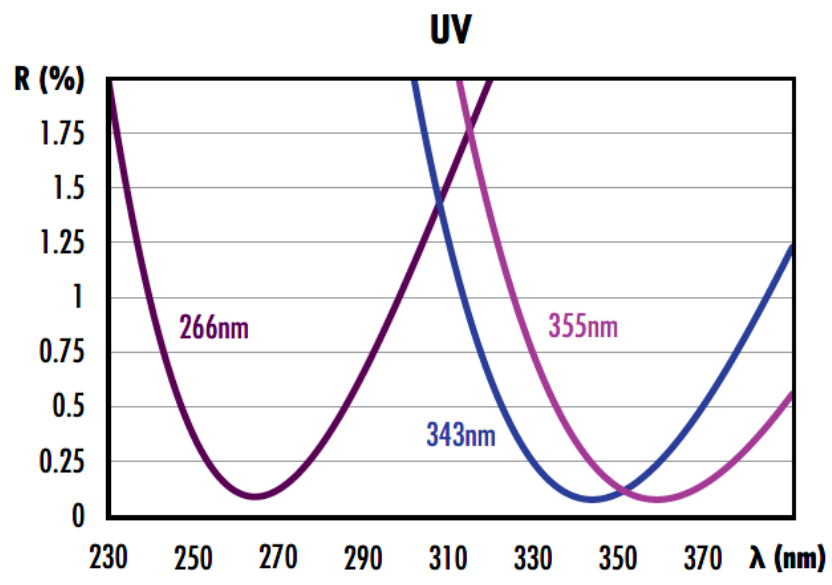
[View](#) **Certificate of Conformance:**

## 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](#).