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TECHSPEC® 76.2mm Dia., 12.7mm Thick, 343nm, λ/10 Fused Silica Window

TECHSPEC λ/10 Laser Line Coated Windows

Stock **#27-040** CONTACT US

- 1 + **€875**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**€875,00** each
Qty 6-25	**€700,00** each
Qty 26-49	**€655,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Laser Line Window

Type of Window:
Glass

Physical & Mechanical Properties

Thickness (mm):

12.70 ±0.20

Clear Aperture CA (mm):
68.58

Diameter (mm):
76.20 +0.00/-0.10

Clear Aperture (%):
90

Parallelism (arcmin):
<3

Bevel:
Protective as needed

Edges:
Fine Ground

Optical Properties

Substrate:
Fused Silica (Corning 7980)

Index of Refraction (n_d):
1.458

Surface Quality:
10-5

Angle of Incidence (°):
0

Coating:
Laser V-Coat (343nm)

Design Wavelength DWL (nm):
343

Abbe Number (v_d):
67.8

Surface Flatness (P-V):
λ/10

Coating Specification:
R_{abs} <0.25% @ 343nm

Damage Threshold, By Design:
7.5 J/cm^2 @ 343nm, 20ns, 20Hz

Material Properties

Fused Silica Grade:
7980 0A

Regulatory Compliance

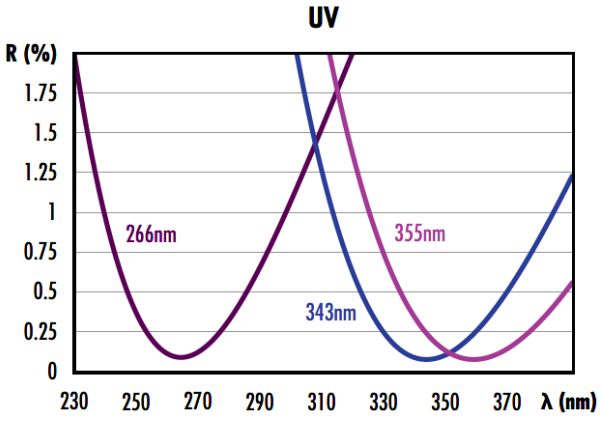
Certificate of Conformance:
View

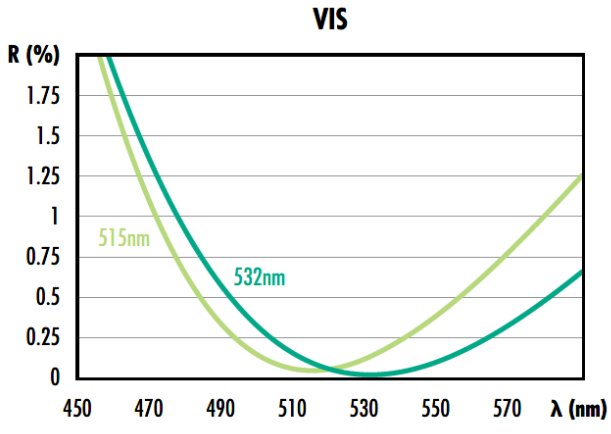
Product Details

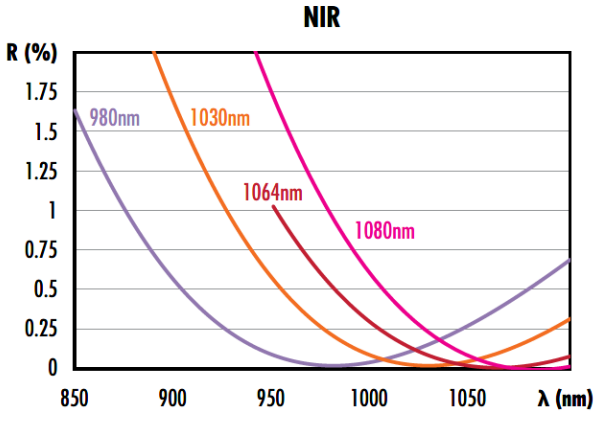
- 10-5 Surface Quality
- Damage Thresholds at Design Wavelengths
- Diameters from 12.5 to 76.2mm Available
- Uncoated Substrates Available

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.**