

TECHSPEC[®] 50.8mm Dia., 9.53mm Thick, 1080nm, λ /10 Fused Silica Window



TECHSPEC λ /10 Laser Line Coated Windows

Stock #11-404 14 In Stock

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+

S\$413⁰⁰

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Volume Pricing	
Qty 1-5	S\$413.00 each
Qty 6-25	S\$330.40 each
Qty 26-49	S\$310.80 each
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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	
Fused Silica (Corning 7980)	Substrate: ☐
1.458	Index of Refraction (n _d):
10-5	Surface Quality:
0	Angle of Incidence (°):
Laser V-Coat (1080nm)	Coating:
1080	Design Wavelength DWL (nm):
67.8	Abbe Number (v _d):
λ/10	Surface Flatness (P-V):
R _{abs} <0.25% @ 1080nm	Coating Specification:
15 J/cm² @ 1080nm, 20ns, 20Hz	Damage Threshold, By Design: ☐

15 J/cm² @ 1080nm, 20ns, 20Hz	Damage Threshold, Pulsed:
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Material Properties	
7980 0F	Fused Silica Grade:

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