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TECHSPEC® 50.8mm Dia., 9.53mm Thick, Fused Silica Uncoated Laser Window Substrate

TECHSPEC® Uncoated Laser Window Substrates

Stock **#38-060** **20+ In Stock**

- 1 + **€273**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**€273,00** each
Qty 6-25	**€246,00** each
Qty 26-49	**€218,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Laser Window Substrate

Type of Window:
Glass

Physical & Mechanical Properties

Thickness (mm):

9.53 ±0.20

Clear Aperture CA (mm):

45.72

Diameter (mm):

50.80 +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

Coating:

Uncoated

Abbe Number (v_d):

67.8

Wavelength Range (nm):

200 - 2200

Surface Flatness (P-V):

λ/10

Material Properties

Fused Silica Grade:

7980 0F

Regulatory Compliance

Reach 191:

Compliant

RoHS 2015:

Compliant

Certificate of Conformance:

View

Need different specs or modifications?

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.

Product Details

- Up to 10-5 Surface Quality and λ/10 Surface Flatness Available
- Fused Silica or N-BK7 Material
- Standard Imperial Sizes for Drop-in Replacement Solutions
- Laser Line Coated Versions Available
- Mirror Substrates Also Available

TECHSPEC® Uncoated Laser Window Substrates are laser quality window substrates designed to be used in demanding laser applications. These laser window substrates are available, manufactured from fused silica for high power laser applications that require excellent thermal stability or from N-BK7 for more cost sensitive laser applications. Both the fused silica and N-BK7 laser window substrates feature precision grade λ/10 surface flatness and 10-5 surface quality, ensuring minimal disturbance to transmitted beams. TECHSPEC® Uncoated Laser Window Substrates are available in standard imperial sizes from 12.7 to 50.8mm in diameter for the convenience of drop-in replacement into existing laser systems. Custom dimensional and coating options are available, please contact us for custom inquiries.

Compatible Mounts

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