

TECHSPEC®

25.4mm Dia., 6.35mm Thick, Fused Silica Uncoated Laser Window Substrate



TECHSPEC® Uncoated Laser Window Substrates

Stock #37-689 **20+ In Stock**

1 **£131^{.20}**

ADD TO CART

Volume Pricing	
Qty 1-5	£131.20 each
Qty 6-25	£117.60 each
Qty 26-49	£104.80 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads	
STEP:step	PDF Drawing:pdf
IGES:igs	eDrawing:eprt
EO Spec Sheet	Download All

General

Type: Laser Window Substrate	Type of Window: Glass
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Physical & Mechanical Properties

Thickness (mm): 6.35 ±0.20	Clear Aperture CA (mm): 22.86
Diameter (mm): 25.40 +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	
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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

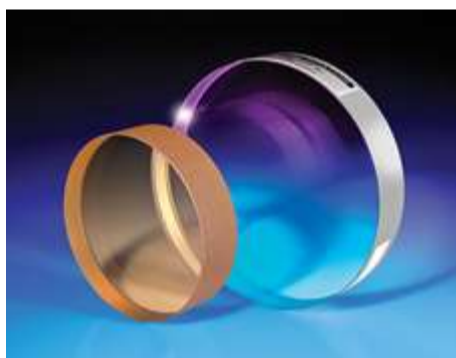
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Up to 10-5 Surface Quality and $\lambda/10$ 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 $\lambda/10$ 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.

Frequently Purchased Together



#01-914-000 - 50.8mm Dia. $\lambda/10$ Fused Silica Optical Flat
£188.00

Qty



#03-666 - 8.0 - 118.0 Optic Height, English Bar-Type Optic Holder
£96.00

Qty



#03-676 - 7.0 - 40.0 Optic Height, English Bar-Type Optic Holder
£84.80

Qty























































#34-599 - 50mm Dia., 1mm Thick, Uncoated $\lambda/10$ Fused Silica Window
£224.00

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	25.4mm Optic Dia., Thin Mirror Mount, M4	Fixed		#13-590	£16.00 Request Quote	20+ In Stock <input type="text" value="1"/>
	25.4mm Optic Dia., Thin Mirror Mount, 8-32	Fixed		#13-591	£16.80 Request Quote	2 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	£16.80 Request Quote	4 In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	£16.80 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.4mm Optic Dia., 10mm Max Optic Thickness, Optic Mount	Fixed		#64-561	£26.20 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.4mm Optic Dia., 13mm Max Optic Thickness, Optic Mount	Fixed		#64-562	£26.20 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-866	£34.80 Request Quote	10 In Stock <input type="text" value="1"/> 
MORE+ 	2.0 - 35.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-668	£50.40 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	£54.40 Request Quote	15 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	£56.80 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	£66.40 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Optical Cell Assembly	Fixed		#36-461 CLEARANCE	£76.76 Request Quote	2 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-851	£78.80 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	£81.60 Request Quote	5 In Stock <input type="text" value="1"/> 
MORE+ 	7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	£84.80 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-854	£85.60 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	£86.40 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	£91.20 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	£92.80 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	£96.00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	£125.60 Request Quote	5 In Stock <input type="text" value="1"/> 

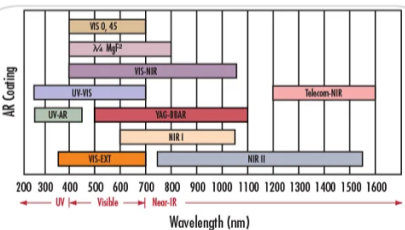
	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-815	£128.80 Request Quote	4 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-818	£145.60 Request Quote	9 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	£220.80 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Kinematic Mirror Mount	Adjustable - Tip-Tilt		#55-003	£268.80 Request Quote	14 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Kinematic Mirror Mount with Micrometer	Adjustable - Tip-Tilt		#55-456	£288.80 Request Quote	3 In Stock <input type="text" value="1"/> 
MORE+ 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	£328.00 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	£432.00 Request Quote	6 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	£604.00 Request Quote	2 In Stock <input type="text" value="1"/> 

Check out our full selection of mounts [here](#).

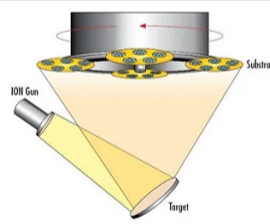
Resources

Media Type

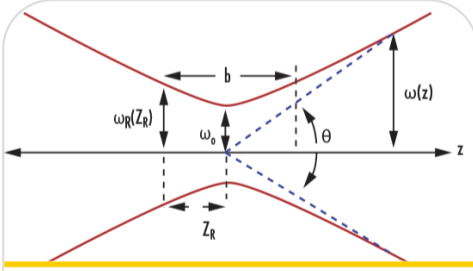
- Application Note
- Technical Tool
- Published Article
- Glossary
- Video
- FAQ
- Scientific Paper



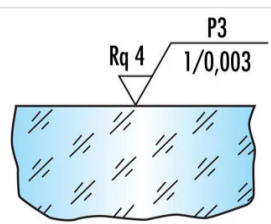
APPLICATION NOTE
Anti-Reflection (AR) Coatings



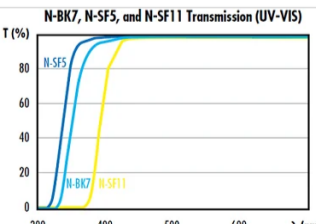
APPLICATION NOTE
An Introduction to Optical Coatings



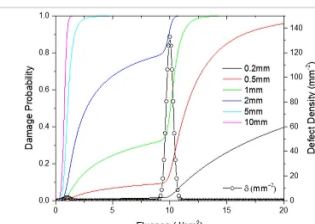
TECHNICAL TOOL
Gaussian Beams Calculator



APPLICATION NOTE
Understanding Surface Roughness



APPLICATION NOTE
Common Laser Optics Materials



APPLICATION NOTE
Importance of Beam Diameter on Laser Damage



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