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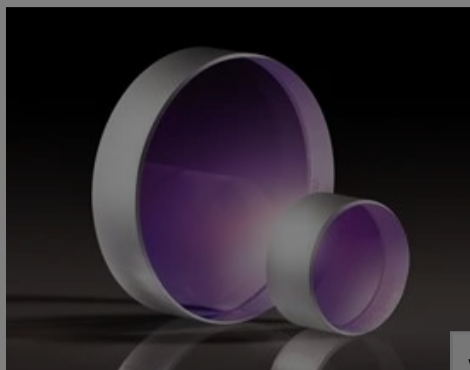
TECHSPEC®

76.2mm Dia., 12.7mm Thick

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

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TECHSPEC λ/10 Laser Line Coated Windows

Stock #20-449 **5 In Stock**

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

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

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 (532nm)

Design Wavelength DWL (nm): 532

Abbe Number (v_d): 67.8

Surface Flatness (P-V): λ/10

Coating Specification: R_{abs} <0.25% @ 532nm

Damage Threshold, By Design: 10 J/cm² @ 532nm, 20ns, 20Hz

Damage Threshold, Pulsed: 10 J/cm² @ 532nm, 20ns, 20Hz

Material Properties

Fused Silica Grade: 7980 0A

Regulatory Compliance

Certificate of Conformance: [View](#)

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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

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

TECHSPEC® $\lambda/10$ 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 $\lambda/10$ Laser Line Coated Windows provide laser grade specifications including $\lambda/10$ 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

Frequently Purchased Together





















#14-844 - 76.2mm Dia., 12.7mm Thick, Fused Silica Uncoated Laser Grade Substrate
€545,00

Qty



Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	 76.2mm Optic Dia., Optic I				€65,50	5 In Stock <input type="text" value="1"/> 
MORE+	 19.5 - 108.0mm Optic Dia., Screw Adjust Ring Mount					20+ In Stock <input type="text" value="1"/> 
MORE+	 8.0 - 118.0mm Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 75.0/76.2mm Optic Dia., Optical Cell Assembly	Fixed		#36-466	€237,00 Request Quote	5 In Stock <input type="text" value="1"/> 
MORE+	 75.0/76.2mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-868	€239,00 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+	 5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+	 75.0/76.2mm Optic Dia., Optical Cell Kinematic Mount	Adjustable - Tip-Tilt		#53-965	€590,00 Request Quote	7 In Stock <input type="text" value="1"/> 
MORE+	 108.0mm Max Optic Dia., Jaw Clamp	Fixed		#53-038	€820,00 Request Quote	2 In Stock <input type="text" value="1"/> 
MORE+	 108.0mm Max Optic Dia., Jaw Clamp and 6" Kinematic Mount	Adjustable - Tip-Tilt		#53-040	€1.220,00 Request Quote	3 In Stock <input type="text" value="1"/> 

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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

[View More](#)

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