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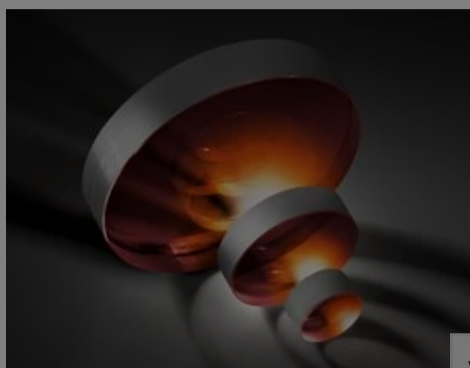
TECHSPEC®

25.4mm Dia., 6.35mm Thick Laser Line Window

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

Select Your Country/Region: European Union

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TECHSPEC® IBS Laser Line Windows

Stock #12-979 **20+ In Stock**

1

€148^{,00}

ADD TO CART

Volume Pricing	
Qty 1-5	€148,00 each
Qty 6-25	€122,00 each
Qty 26-49	€114,00 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

Clear Aperture CA (mm): 22.86

Diameter (mm): 25.40
+0.00/-0.10

Thickness (mm): 6.35 ±0.20

Parallelism (arcmin): <3

Bevel: Protective as needed

Clear Aperture (%): 90

Edges: Fine Ground

Poisson's Ratio: 0.16

Young's Modulus (GPa): 73

Knoop Hardness (kg/mm²): 522.00

Optical Properties

Angle of Incidence (°): 0

Coating: Laser Ultra V-Coat, IBS (532nm)

Design Wavelength DWL (nm): 532

Substrate: [Fused Silica](#) (Corning 7980)

Index of Refraction (n_d): 1.458

Surface Quality: 10-5

Abbe Number (v_d): 67.8

Coating Specification: R_{abs} <0.10% @ 532nm

Surface Flatness (P-V): $\lambda/10$

Damage Threshold, Certified: 10 J/cm^2 @ 532nm, 20ns, 20Hz

Material Properties

Density (g/cm³): 2.20

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Fused Silica Grade: 7980 0F

Regulatory Compliance

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

- IBS Coated for Minimal Absorption and Scatter
- <0.1% Reflectivity at Nd:YAG Laser Lines
- Certified Laser Damage Thresholds at Design Wavelength

TECHSPEC® IBS Laser Line Windows feature an ion beam sputtering (IBS) anti-reflection coating that provides <0.1% reflectivity at their design wavelength with minimal losses due to absorption or scatter. The IBS coating process produces dense, homogeneous coating layers that are environmentally stable and insensitive to temperature and humidity changes, enabling these windows to be used in harsh environments. TECHSPEC IBS Laser Line Windows are available in standard imperial sizes with designs for the Nd:YAG laser wavelengths of 355nm, 532nm, and 1064nm. In-house manufacturing enables Edmund Optics to provide custom sizes and designs in the wavelength range 343nm to 1600nm.

Superpolished Optics for Minimized Scatter

[Learn More >>](#)

Related Products



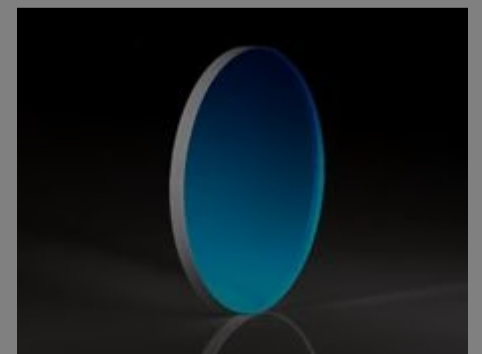
Superpolished Substrates



High Performance Nd:YAG Laser Line Mirrors

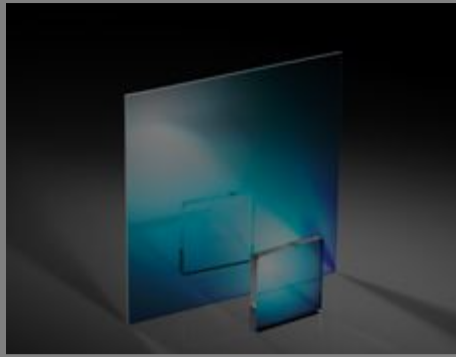


$\lambda/10$ Ultra-Low Reflectivity Windows



$\lambda/20$ High Power Laser Line Windows

Frequently Purchased Together



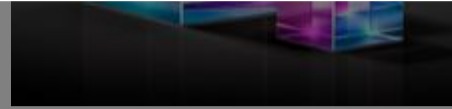
#31-436 - 25 x 38mm, 50R/50T, Plate Beamsplitter
€63,00

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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#31-497 - 64 x 97mm Laser Diode Mirror
€55,50























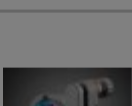



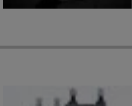

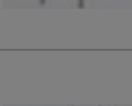

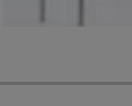



#33-318 - 25.4mm 532nm, High Energy Polarizing Cube Beamsplitter
€1.270,00



#40-488 - Adjustable Optical Slit, Manual Micrometer Driven
€525,00



Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	25.4mm Optic Dia., Thin Mirror Mount, M4	Fixed		#13-590	€20,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	25.4mm Optic Dia., Thin Mirror Mount, 8-32	Fixed		#13-591	€21,00 Request Quote	2 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	€21,00 Request Quote	9 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	€21,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	25.4mm Optic Dia., 10mm Max Optic Thickness, Optic Mount	Fixed		#64-561	€32,75 Request Quote	20+ In Stock <input type="text" value="1"/>
	25.4mm Optic Dia., 13mm Max Optic Thickness, Optic Mount	Fixed		#64-562	€32,75 Request Quote	20+ In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-866	€43,50 Request Quote	10 In Stock <input type="text" value="1"/>
	2.0 - 35.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-668	€63,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	€68,00 Request Quote	15 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	€71,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	€83,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., Optical Cell Assembly	Fixed		#36-461 CLEARANCE	€95,95 Request Quote	2 In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	 25.0/25.4mm Optic Dia., Kinematic Mount, 2-Screws				€98,50	CONTACT US 1 
MORE+	 25.0/25.4mm Optic Dia., and Rotatio Mount					5 In Stock 1 
MORE+	 7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	€106,00 Request Quote	20+ In Stock 1 
MORE+	 25.0/25.4mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-854	€107,00 Request Quote	20+ In Stock 1 
MORE+	 10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	€108,00 Request Quote	CONTACT US 1 
MORE+	 19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	€114,00 Request Quote	20+ In Stock 1 
MORE+	 7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 Request Quote	20+ In Stock 1 
MORE+	 8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 Request Quote	20+ In Stock 1 
MORE+	 4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	€157,00 Request Quote	5 In Stock 1 
MORE+	 25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-815	€161,00 Request Quote	4 In Stock 1 
MORE+	 25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-818	€182,00 Request Quote	9 In Stock 1 
MORE+	 25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	€276,00 Request Quote	CONTACT US 1 
MORE+	 25.0/25.4mm Optic Dia., Kinematic Mirror Mount	Adjustable - Tip-Tilt		#55-003	€336,00 Request Quote	14 In Stock 1 
MORE+	 25.0/25.4mm Optic Dia., Kinematic Mirror Mount with Micrometer	Adjustable - Tip-Tilt		#55-456	€361,00 Request Quote	3 In Stock 1 
MORE+	 5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 Request Quote	CONTACT US 1 
MORE+	 25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	€540,00 Request Quote	6 In Stock 1 

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	Title	Type	Compare	Stock Number	Price	Buy
MORE+	 25.0/25.4mm Optic Dia., Optical Mou	Adjustable -			€755,00	2 In Stock <input type="text" value="1"/> 

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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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