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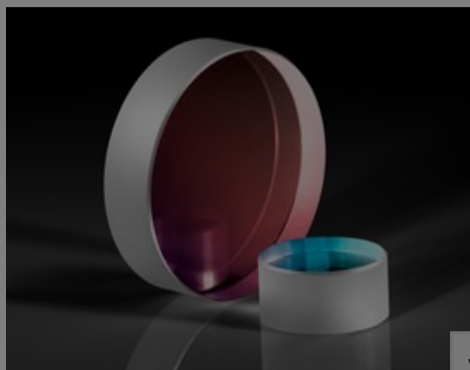
**TECHSPEC®**

50.8mm Dia., 532nm

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

Submit



λ/10 Ultra-Low Reflectivity Windows

Stock #11-266 **CLEARANCE** 1 In Stock

1

€199<sup>,95</sup>

ADD TO CART

Volume Pricing

Qty 1+ €199,95 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

Physical & Mechanical Properties

Clear Aperture CA (mm): 45.72

Diameter (mm): 50.80 +0.00/-0.10

Thickness (mm): 9.53 ±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/mm<sup>2</sup>): 522.00

Optical Properties

Angle of Incidence (°): 0

Coating: Laser Ultra V-Coat (532nm)

Design Wavelength DWL (nm): 532

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

Index of Refraction (n<sub>d</sub>): 1.458

Surface Quality: 10-5

Abbe Number (v<sub>d</sub>): 67.8

Coating Specification: R<sub>abs</sub> <0.10% @ 532nm

Surface Flatness (P-V): λ/10

Damage Threshold, By Design: 10 J/cm<sup>2</sup> @ 532nm, 20ns, 20Hz

Material Properties

Density (g/cm<sup>3</sup>): 2.20

Coefficient of Thermal Expansion: 0.52 (+5 to +35°C) 0.57 (0 to 35°C)

Expansion CTE +200°C  
(10<sup>-6</sup>/°C): 0.48 (-100 to +200°C)

Fused Silica 7980 0F  
Grade:

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## Regulatory Compliance

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](#).

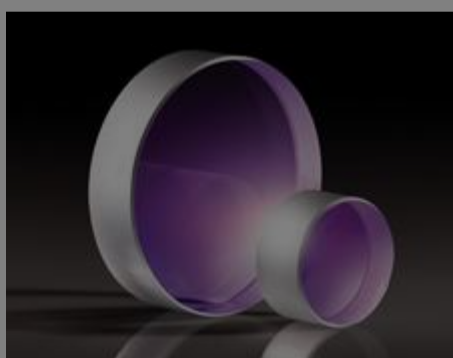
## Product Details

- <0.1% Reflectivity Laser Line Coatings
- Nd:YAG and Yb:YAG Wavelength Options
- Reduce Typical Laser System Losses by 3% (Compared to a 0.25% Specified System with 10 Transmissive Optics)
- Increased Transmission Reduces Back Reflections, Ghost Images, and Stray Light

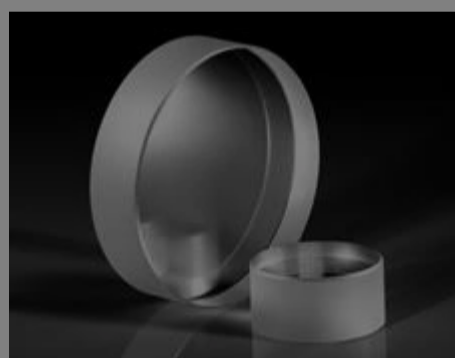
TECHSPEC®  $\lambda/10$  Ultra-Low Reflectivity Windows feature anti-reflection coatings with reflection lower than 0.1% at the design wavelength. These windows feature high quality fused silica substrates with  $\lambda/10$  surface flatness and 10-5 surface quality to minimize scatter. With ultra-low reflectivity and high damage thresholds, these windows are ideal for integration into laser systems to virtually eliminate surface reflections. TECHSPEC  $\lambda/10$  Ultra-Low Reflectivity Windows are available in a range of laser V-Coats from 266nm to 1064nm for compatibility with Nd:YAG and Yb:YAG laser sources. Imperial diameter sizes from 12.7mm to 50.8mm are available.

## Technical Information

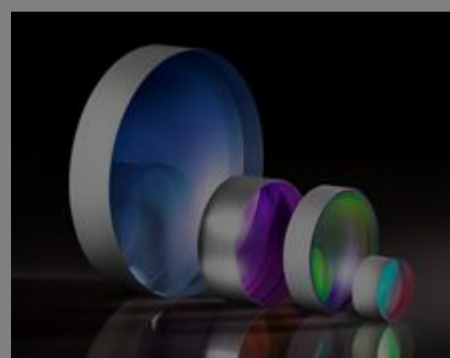
## Related Products



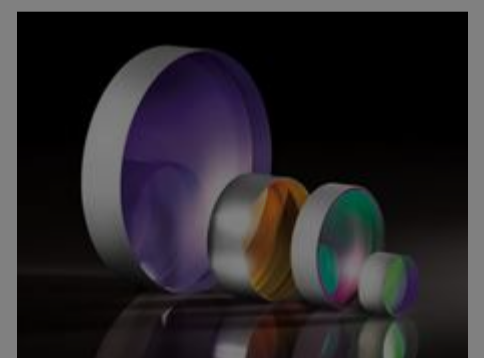
$\lambda/10$  Laser Line Coated Windows



Uncoated Laser Window Substrates



Yb:YAG Laser Line Mirrors



Nd:YAG Laser Line Mirrors

## Frequently Purchased Together

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#34-825 - 25.4mm Dia.  
Nd:YAG Laser Line  
€146,00

Qty

























€99,95






















Qty

€199,95

Qty

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	 50.8mm Optic Dia., Optic Mount	Fixed		#64-569	€49,25 Request Quote	12 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"/>
	 50.0/50.8mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-867	€96,00 Request Quote	CONTACT US <input type="text" value="1"/>
	 10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	€108,00 Request Quote	CONTACT US <input type="text" value="1"/>
	 19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	€114,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	 7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	 50.0/50.8mm Optic Dia., Optical Cell Assembly	Fixed		#36-465 CLEARANCE	€119,95 Request Quote	2 In Stock <input type="text" value="1"/>
	 8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	 50.0/50.8mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-852	€135,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	 50.0/50.8mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-855	€157,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	 50.0/50.8mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-816	€246,00 Request Quote	12 In Stock <input type="text" value="1"/>
	 50.0/50.8mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-819	€268,00 Request Quote	CONTACT US <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
 	50.0/50.8mm Optic Dia., X-Y-Z Translating Mount				€308,00	1 In Stock <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., Kinematic M Mount					6 In Stock <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., Kinematic Mirror Mount with Micrometer	Adjustable - Tip-Tilt		#56-326	€387,00 Request Quote	CONTACT US <input type="text" value="1"/> 
 	5.0 - 100.0mm Optic Dia., Self- Centering Jaw Clamp	Fixed		#16-078	€410,00 Request Quote	CONTACT US <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#55-000	€510,00 Request Quote	7 In Stock <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-960	€605,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-778	€840,00 Request Quote	10 In Stock <input type="text" value="1"/> 

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

APPLICATION NOTE

Anti-Reflection

APPLICATION NOTE

Ap

TECHNICAL TOOL

Gaussian  
Beams  
Calculator

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APPLICATION NOTE

Understanding  
Surface  
Roughness

APPLICATION NOTE

Common Laser  
Optics  
Materials

APPLICATION NOTE

Importance of  
Beam  
Diameter on  
Laser Damaa...

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