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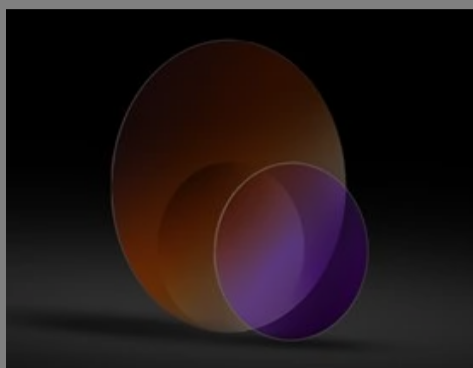
TECHSPEC®

25.4mm Diameter Thin PCX Lens

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



Stock #11-670 **6 In Stock** [Other Coating Options](#)

- 1 +

€151⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€151,00 each
Qty 6-25	€133,00 each
Qty 26-49	€120,80 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- Zemax:zar
- eDrawing:eppt
- Code V:seq
- EO Spec Sheet
- [Download All](#)

General

Type: Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm): 25.40 +0.00/-0.10

Centering (arcmin): <3

Center Thickness CT (mm): 1.60 ±0.10

Edge Thickness ET (mm): 1.512

Clear Aperture CA (mm): 22.86

Bevel: Protective as needed

Optical Properties

Effective Focal Length EFL (mm): 2,002.33 @ 587.6nm

Back Focal Length BFL (mm): 2001.23

Coating: BBAR (700-900nm)

Coating Specification: R_{abs} <0.2% @ 700 - 900nm

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

Surface Quality: 20-10

Power (P-V) @ 632.8nm: 1.5λ

Irregularity (P-V) @ 632.8nm: λ/8

Focal Length Tolerance (%): ±1

Radius R₁ (mm): 918.00

f/#:	78.75	Numerical Aperture NA:	0.01
Design Wavelength DWL (nm):	800	Wavelength Range (nm):	700 - 900
Angle of Incidence (°):	0		

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Regulatory Compliance	
RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 219:	Compliant

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

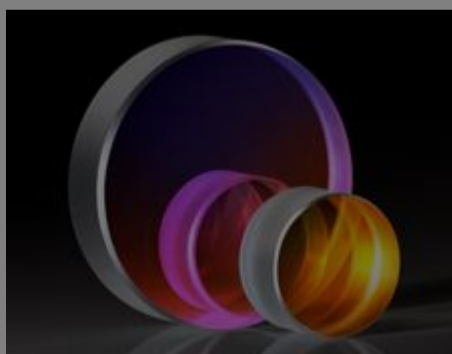
- Ultra-Thin Center Thickness to Limit GDD
- Low Loss Broadband IBS Anti-Reflection Coating
- Ideal for Ultrafast and Laser Optics Applications
- UV or IR Grade Fused Silica Substrates

TECHSPEC® Ultrafast Thin Plano-Convex Lenses are designed with an ultra-thin center thickness to provide a low group delay dispersion (GDD) for ultrafast laser pulses. TECHSPEC Ultrafast Thin Plano-Convex Lenses are ideal for collecting and focusing light from laser sources and their corresponding harmonics, including Ti:sapphire, Yb:YAG, and Nd:YAG, Holmium, and Thulium lasers. These thin PCX lenses are available in standard sizes with effective focal lengths from 50mm to 2000mm.

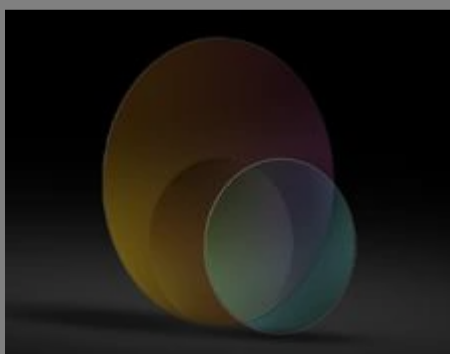
IR grade fused silica differs from UV grade fused silica by its reduced amount of OH⁻ ions, resulting in higher transmission throughout the NIR spectrum and reduction of transmission in the UV spectrum.

Technical Information

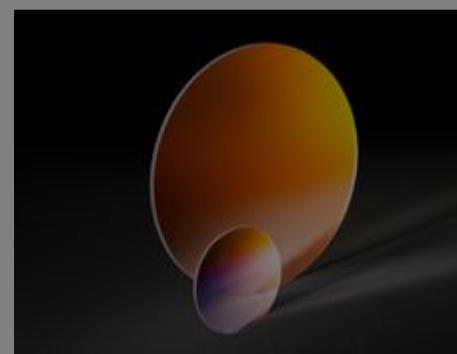
Related Products



Ultrafast Optics



Thin Fused Silica Plano-Convex (PCX) Laser Lenses



Ultrafast Thin Windows

Frequently Purchased Together



#48-797 - 50.0mm Dia. x 100.0mm FL, NIR I Coated, Plano-Convex Lens
€70,00

Qty



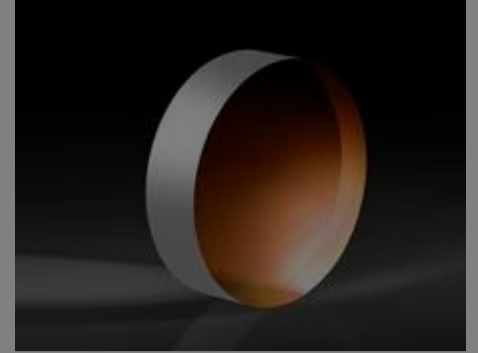
20 Convex Lens
€70,00

Qty



Convex Lens
€70,00

Qty



#84-461 - 12.5mm Dia., 1.5mm Thick, NIR I Coated λ/10 Fused Silica Window
€166,00

Qty

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Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	€21,00 Request Quote	14 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"/>
	25mm Thick Inner Single Optic Mount	Fixed		#38-758	€41,00 Request Quote	7 In Stock <input type="text" value="1"/>
	25.4mm Inner Single Optic Mount	Fixed		#38-756	€41,00 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"/>
	25/25.4mm Diameter, C-Mount Thin Optic Mount	Fixed		#56-353	€99,00 Request Quote	20+ In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	€102,00 Request Quote	5 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	€276,00 Request Quote	2 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	€540,00 Request Quote	6 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	€755,00 Request Quote	2 In Stock <input type="text" value="1"/>

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Media Type

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

APPLICATION NOTE

An Introduction to Optical Coatings

TECHNICAL TOOL

Gaussian Beams Calculator

CASE STUDIES

Laser Optics for Eye Surgery

APPLICATION NOTE

Basics of Ultrafast Lasers

TRENDING IN OPTICS

Ultrafast Highly-Dispersive Mirrors

APPLICATION NOTE

Group Delay Dispersion and White Light Interferometry

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