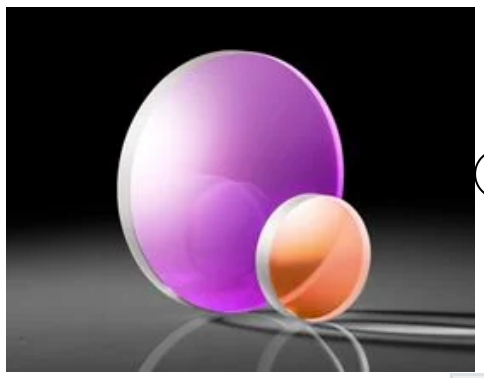
TECHSPEC®

25mm Diameter x 150mm FL, Uncoated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCX Lenses

Stock #67-098 **14 In Stock**

Other Coating Options

- 1 +

C$282.80

ADD TO CART

Volume Pricing	
Qty 1-5	C$282.80 each
Qty 6-25	C$225.40 each
Qty 26-49	C$211.40 each
Need More?	Request Quote

Product Downloads

STEP:step | PDF Drawing:pdf | ISO 10110 Drawing | IGES:igs | Zemax:zar | Zemax:zip | Zemax:zmx | eDrawing:eprt | Code V:seq | EO Spec Sheet | Download All

General

Type:	Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):	25.00 +0.00/-0.10	**Centering (arcmin):**	<1
Center Thickness CT (mm):	3.18 ±0.10	**Edge Thickness ET (mm):**	2.04
Clear Aperture CA (mm):	22.5	**Bevel:**	Protective as needed

Optical Properties

Effective Focal Length EFL (mm):	150.00 @ 587.6nm	**Back Focal Length BFL (mm):**	147.82
Coating:	Uncoated	**Substrate:** ⓘ	Fused Silica (Corning 7980)
Surface Quality:	20-10	**Power (P-V) @ 632.8nm:**	λ
Irregularity (P-V) @ 632.8nm:	λ/10	**Focal Length Tolerance (%):**	±1
Radius R_1 (mm):	68.79	**f/#:**	6.00
Numerical Aperture NA:	0.08	**Wavelength Range (nm):**	200 - 2200

Regulatory Compliance

RoHS 2015:	Compliant	**Reach 219:**	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.**

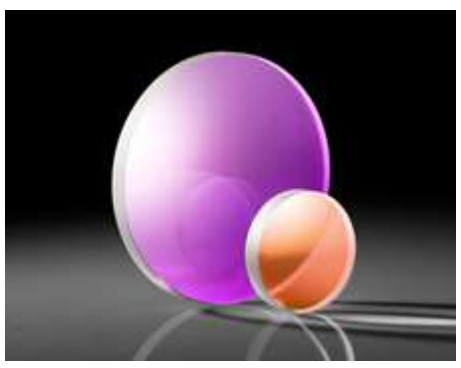
Product Details

- Guaranteed Laser Damage Threshold
- 10-5 Surface Quality
- λ/10 Surface Accuracy

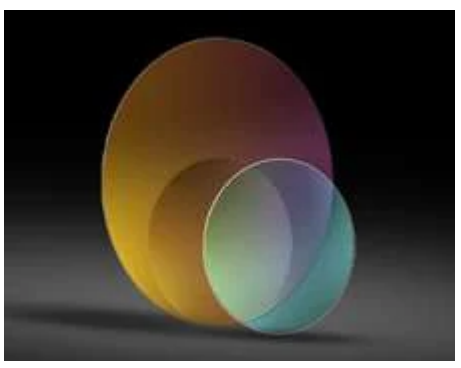
TECHSPEC® Laser Grade PCX Lenses are designed for high energy Nd:YAG laser applications including laser cutting, machining, and welding. The precision fused silica substrate, featuring λ/10 surface accuracy and 10-5 surface quality, ensures low scatter and excellent transmitted wavefront performance. TECHSPEC® Laser Grade PCX Lenses are available uncoated or with a variety of high laser damage threshold anti-reflection (AR) coating options. Coatings are available at the most common Nd:YAG laser wavelengths to ensure maximum laser throughput.

Technical Information

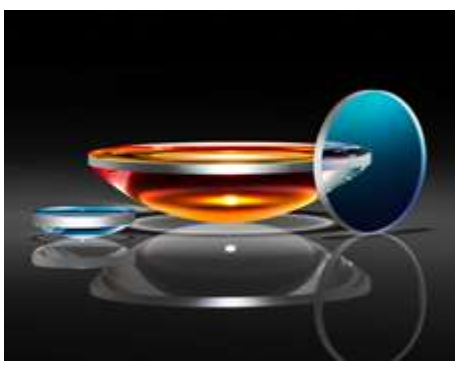
Related Products



Plano-Convex (PCX) Laser Lenses



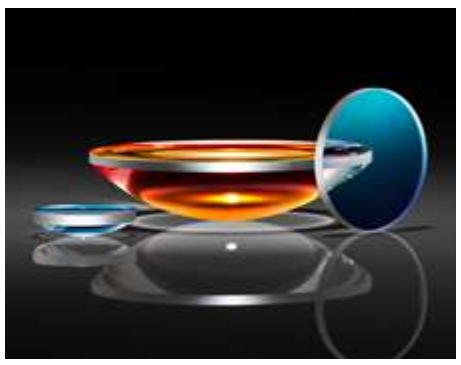
Thin Fused Silica Plano-Convex (PCX) Laser Lenses



UV Fused Silica Plano-Convex (PCX) Lenses - Uncoated

Optical Lens and Filter Mounts

Frequently Purchased Together



#48-278 – 25mm Dia. x 150mm FL Uncoated, UV Plano-Convex Lens
C$191.80

#48-299 – 25mm Dia. x 150mm FL, Uncoated, UV Double-Convex Lens
C$186.20

#48-315 – 25.0mm Dia. x -50 FL, Uncoated, UV Plano-Concave Lens
C$196.00

#64-482 – Microlens Array 10 x 10mm, 500µm Pitch, 0.5° Divergence
C$1,281.00

Qty Qty Qty Qty

Compatible Mounts

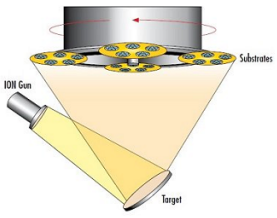
	Title	Type	Compare	Stock Number	Price ☐	Buy
MORE+ 	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	C$29.40 Request Quote	4 In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	C$29.40 Request Quote	20+ In Stock 1
MORE+ 	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	C$45.85 Request Quote	CONTACT US 1
MORE+ 	25mm Thin Inner Single Optic Mount	Fixed		#38-755	C$57.40 Request Quote	20+ In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	C$95.20 Request Quote	20+ In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	C$99.40 Request Quote	20+ In Stock 1
MORE+ 	25mm Thin Inner Pair Optic Mounts	Fixed		#11-052	C$112.70 Request Quote	5 In Stock 1
MORE+ 	25mm Thick Inner Pair Optic Mounts	Fixed		#11-054	C$112.70 Request Quote	16 In Stock 1
MORE+ 	25/25.4mm Diameter, C-Mount Thin Optic Mount	Fixed		#56-353	C$138.60 Request Quote	20+ In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	C$142.80 Request Quote	5 In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	C$386.40 Request Quote	CONTACT US 1
MORE+ 	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	C$756.00 Request Quote	6 In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	C$1,057.00 Request Quote	2 In Stock 1

Check out our full selection of mounts **here**.

Resources

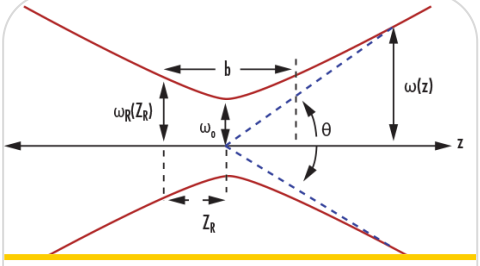
Media Type

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



APPLICATION NOTE

An Introduction to Optical Coatings

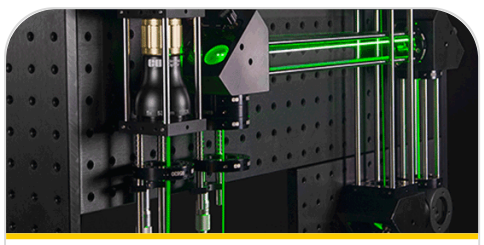


TECHNICAL TOOL

Gaussian Beams Calculator

VIDEO

Polarization Directed Flat Lenses Product Review

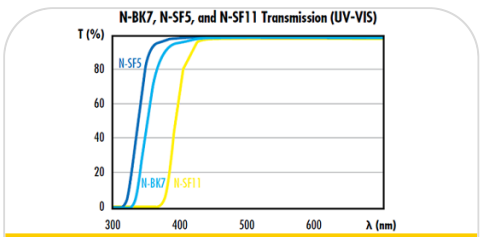


? FAQ

What is the best lens for focusing or collimating th...

TRENDING IN OPTICS

Free-Space Optical Communication



APPLICATION NOTE

Common Laser Optics Materials

View More

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