

[« See all 195 Products in Family](#)
[All Products](#) / [Optics](#) / [Optical Lenses](#) / [UV Lenses](#) / [Laser Grade Plano-Convex \(PCX\) Lenses](#)
**TECHSPEC®**

# 25mm Diameter x 150mm FL, 266nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCX Lenses

 Stock #67-947 **3 In Stock** [Other Coating Options](#)

- 1 +

MRP ₹23,306

Price inclusive of all taxes

[ADD TO CART](#)

Volume Pricing	
Qty 1-5	₹23,306 each
Qty 6-25	₹18,665 each
Qty 26-49	₹17,051 each
Need More?	<a href="#">Request Quote</a>

Product Downloads	
STEP:stp	Curve:pdf
PDF Drawing:pdf	
ISO 10110 Drawing	
IGES:igs	Curve (xlsx):xlsx
Zemax:zar	Zemax:zmx
eDrawing:eprt	Code V:seq
EO Spec Sheet	<a href="#">Download All</a>

## General

**Type:** Plano-Convex Lens

## Physical & Mechanical Properties

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

## Optical Properties

<b>Effective Focal Length EFL (mm):</b> 150.00 @ 587.6nm	<b>Back Focal Length BFL (mm):</b> 147.86
<b>Coating:</b> Laser V-Coat (266nm)	<b>Coating Specification:</b> R <sub>abs</sub> <0.25% @ 266nm
<b>Substrate:</b> <a href="#">Fused Silica</a> (Corning 7980)	<b>Surface Quality:</b> 20-10
<b>Power (P-V) @ 632.8nm:</b> λ	<b>Irregularity (P-V) @ 632.8nm:</b> λ/10
<b>Focal Length Tolerance (%):</b> ±1	<b>Radius R<sub>1</sub> (mm):</b> 68.79
<b>f/#:</b> 6.00	<b>Numerical Aperture NA:</b> 0.08

**Design Wavelength DWL (nm):** 266

**Damage Threshold, By Design:** 3 J/cm<sup>2</sup> @ 266nm, 20ns, 20Hz

## Regulatory Compliance

**RoHS 2015:** [Compliant](#)

**REACH 201:** [Compliant](#)

**Certificate of Conformance:** [View](#)

**Country of Origin:** Singapore

**Imported By:** Edmund Optics India Private Limited  
267, Greystone Building,  
Second Floor,  
6th Cross Rd,  
Binnamangala,  
Stage 1,  
Indiranagar,  
Bengaluru,  
Karnataka,  
India 560038  
Phone: +91-80-6845 0000

## 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
- $\lambda/10$  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  $\lambda/10$  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.

**LASER OPTICS** MADE BY EDMUND OPTICS®

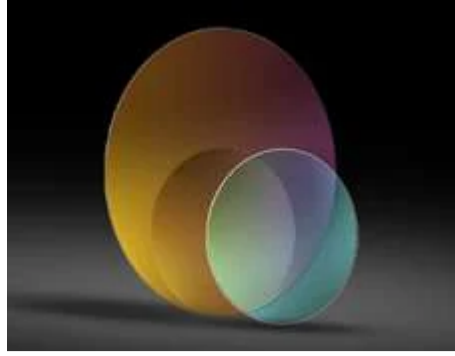
[LEARN MORE](#)

## Technical Information

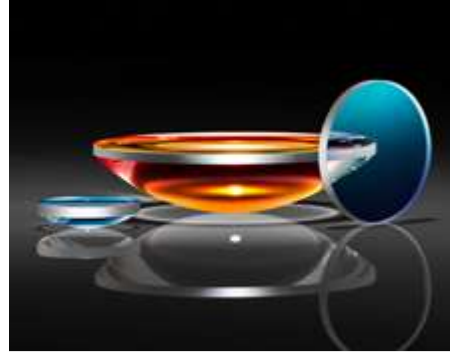
## Related Products



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

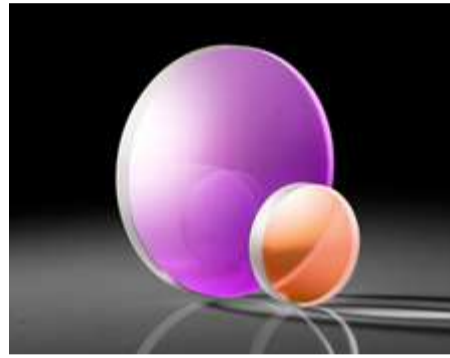
## Frequently Purchased Together



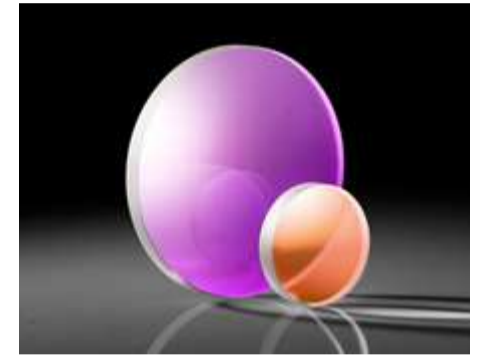
#46-310 - 6.0mm Dia. x -18 FL, UV-AR Coated, UV Plano-Concave Lens  
₹14,630



#58-860 - 25/25.4mm Sq. Kinematic Mount, 3 Screws  
₹11,501











#67-944 - 25mm Diameter x 50mm FL, 266nm Coated, Laser Grade PCX Lens  
₹23,306



#67-945 - 25mm Diameter x 75mm FL, 266nm Coated, Laser Grade PCX Lens  
₹23,306

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	₹2,119 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	₹2,119 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/>
	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	₹3,305 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/>
	25mm Thin Inner Single Optic Mount	Fixed		#38-755	₹4,137 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	₹6,861 <a href="#">Request Quote</a>	9 In Stock <input type="text" value="1"/>
	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	₹7,164 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/>
	25mm Thin Inner Pair Optic Mounts	Fixed		#11-052	₹8,122 <a href="#">Request Quote</a>	3 In Stock <input type="text" value="1"/>
	25mm Thick Inner Pair Optic Mounts	Fixed		#11-054	₹8,122 <a href="#">Request Quote</a>	11 In Stock <input type="text" value="1"/>
	25/25.4mm Diameter, C-Mount Thin Optic Mount	Fixed		#56-353	₹9,989 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a> 	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	₹10,291 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> 1 
<a href="#">MORE+</a> 	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	₹27,846 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> 1 
<a href="#">MORE+</a> 	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	₹54,481 <a href="#">Request Quote</a>	6 In Stock 1 
<a href="#">MORE+</a> 	25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	₹76,173 <a href="#">Request Quote</a>	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](#)