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TECHSPEC®

25mm Diameter x 50mm FL, 1064nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCX Lenses

 Stock #67-974 **4 In Stock** [Other Coating Options](#)

- 1 +

MRP ₹23,306

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹23,306 each
Qty 6-25	₹18,665 each
Qty 26-49	₹17,051 each
Need More?	Request Quote

Product Downloads

- STEP:stp Curve:pdf
- PDF Drawing:pdf
- ISO 10110 Drawing
- IGES:igs Curve (xlsx):xlsx
- 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):	5.84 ±0.10	Edge Thickness ET (mm):	2.13
Clear Aperture CA (mm):	22.5	Bevel:	Protective as needed

Optical Properties

Effective Focal Length EFL (mm):	50.00 @ 587.6nm	Back Focal Length BFL (mm):	46.00
Coating:	Laser V-Coat (1064nm)	Coating Specification:	R _{abs} <0.25% @ 1064nm
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 R₁ (mm):	22.92
f/#:	2.00	Numerical Aperture NA:	0.25

Design Wavelength DWL (nm): 1064

Damage Threshold, By Design: 15 J/cm² @ 1064nm, 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®

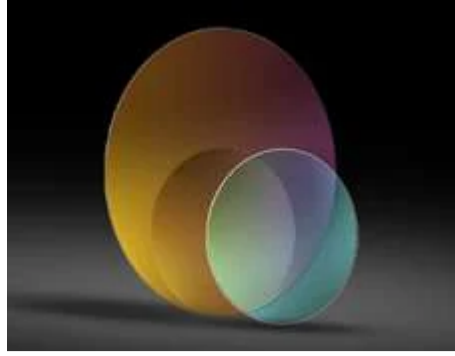
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Technical Information

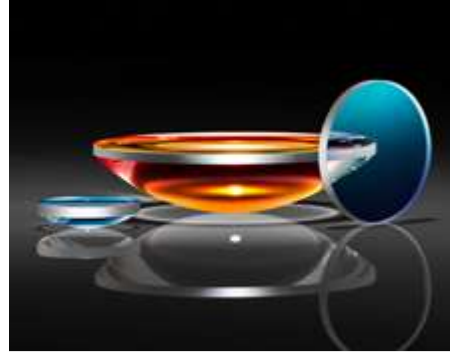
Related Products



Plano-Convex (PCX) Laser Lenses



Thin Fused Silica Plano-Convex (PCX) Laser Lenses



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

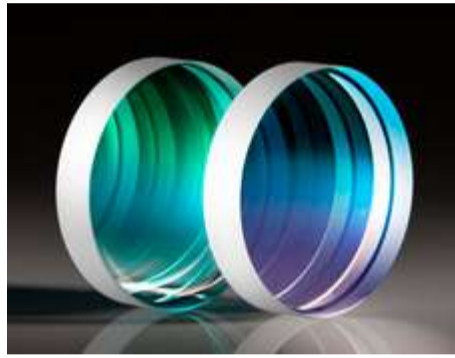


Optical Lens and Filter Mounts

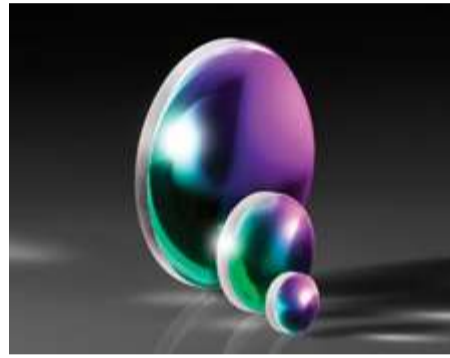
Frequently Purchased Together



#45-987 - 25mm Dia. 1064nm 45°, Nd:YAG Laser Line Mirror
₹17,555



#33-036 - 1025-1095nm 25.4mm Dia. Laser Non-Polarizing Beamsplitter
₹43,888















#34-141 - 25mm Dia. x 60mm FL 1064nm V-Coat, Fused Silica PCX Lens
₹17,656



#37-322 - Norland Optical Adhesive NOA 61, 1 oz. Application Bottle
₹4,407

Compatible Mounts

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

	Title	Type	Compare	Stock Number	Price	Buy
 	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	₹10,291 Request Quote	CONTACT US <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	₹27,846 Request Quote	CONTACT US <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	₹54,481 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	₹76,173 Request Quote	2 In Stock <input type="text" value="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

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