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TECHSPEC®

12mm Diameter x 25mm FL, 266nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#67-940** **12 In Stock**

☐ [Other Coating Options](#)

-

1

+

₹14,636

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹14,636 each                  |
| Qty 6-25       | ₹11,678 each                  |
| Qty 26-49      | ₹10,821 each                  |
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Product Downloads

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

12.00 +0.00/-0.10

Centering (arcmin):

|                                     |                                                       |
|-------------------------------------|-------------------------------------------------------|
| <1                                  |                                                       |
| 3.92 ±0.05                          | Center Thickness CT (mm):                             |
| 2.22                                | Edge Thickness ET (mm):                               |
| 10.2                                | Clear Aperture CA (mm):                               |
| Protective as needed                | Bevel:                                                |
| Optical Properties                  |                                                       |
| 25.00 @ 587.6nm                     | Effective Focal Length EFL (mm):                      |
| 22.31                               | Back Focal Length BFL (mm):                           |
| Laser V-Coat (266nm)                | Coating:                                              |
| R <sub>abs</sub> <0.25% @ 266nm     | Coating Specification:                                |
| Fused Silica (Corning 7980)         | Substrate: <input type="checkbox"/>                   |
| 20-10                               | Surface Quality:                                      |
| λ                                   | Power (P-V) @ 632.8nm:                                |
| λ/10                                | Irregularity (P-V) @ 632.8nm:                         |
| ±1                                  | Focal Length Tolerance (%):                           |
| 11.46                               | Radius R <sub>1</sub> (mm):                           |
| 2.08                                | f/#:                                                  |
| 0.24                                | Numerical Aperture NA:                                |
| 266                                 | Design Wavelength DWL (nm):                           |
| 3 J/cm² @ 266nm, 20ns, 20Hz         | Damage Threshold, By Design: <input type="checkbox"/> |
| Regulatory Compliance               |                                                       |
| Compliant                           | RoHS 2015:                                            |
| Compliant                           | REACH 201:                                            |
| View                                | Certificate of Conformance:                           |
| Singapore                           | Country of Origin:                                    |
| Edmund Optics India Private Limited | Imported By:                                          |

## Product Details

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

TECHSPEC® Laser Grade PCXLenses 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 PCXLenses 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



## Custom

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](#).

## Compatible Mounts

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