

TECHSPEC<sup>®</sup> 12.7mm Dia. x 1000mm FL, 266nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#38-670** 1 In Stock

☐ [Other Coating Options](#)

-

1

+

₹14,636

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹14,636 each                  |
| Qty 6-25       | ₹11,678 each                  |
| Qty 26-49      | ₹10,743 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

12.70 +0.00/-0.025

Centering (arcmin):

|                                     |                                  |
|-------------------------------------|----------------------------------|
| <1                                  |                                  |
| 4.00 ±0.10                          | Center Thickness CT (mm):        |
| 3.96                                | Edge Thickness ET (mm):          |
| 11.43                               | Clear Aperture CA (mm):          |
| Protective as needed                | Bevel:                           |
| Optical Properties                  |                                  |
| 1,000.00 @ 355nm                    | Effective Focal Length EFL (mm): |
| 997.59                              | Back Focal Length BFL (mm):      |
| Laser V-Coat (266nm)                | Coating:                         |
| R <sub>abs</sub> <0.25% @ 266nm     | Coating Specification:           |
| Fused Silica (Corning 7980)         | Substrate: □                     |
| 10-5                                | Surface Quality:                 |
| λ                                   | Power (P-V) @ 632.8nm:           |
| λ/10                                | Irregularity (P-V) @ 632.8nm:    |
| ±1                                  | Focal Length Tolerance (%):      |
| 476.09                              | Radius R <sub>1</sub> (mm):      |
| 78.74                               | f/#:                             |
| 0.01                                | Numerical Aperture NA:           |
| 266                                 | Design Wavelength DWL (nm):      |
| 3 J/cm² @ 266nm, 20ns, 20Hz         | Damage Threshold, By Design: □   |
| Regulatory Compliance               |                                  |
| View                                | Certificate of Conformance:      |
| Vietnam                             | 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 energyNd: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