

TECHSPEC<sup>®</sup> 50.8mm Dia. x 100mm FL, 266nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#70-013** 4 In Stock

☐ [Other Coating Options](#)

-

1

+

£350<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £350.40 each                  |
| Qty 6-25       | £280.00 each                  |
| Qty 26-49      | £256.80 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

| General                          |                |
|----------------------------------|----------------|
| Plano-Convex Lens                | Type:          |
| Physical & Mechanical Properties |                |
| 50.80 +0.00/-0.025               | Diameter (mm): |

|                                 |                                  |
|---------------------------------|----------------------------------|
| <1                              | Centering (arcmin):              |
| 12.00                           | Center Thickness CT (mm):        |
| 4.32                            | Edge Thickness ET (mm):          |
| 45.72                           | Clear Aperture CA (mm):          |
| Protective as needed            | Bevel:                           |
| Optical Properties              |                                  |
| 100.00 @ 355nm                  | Effective Focal Length EFL (mm): |
| 91.773                          | 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:           |
| N/10 ±1                         | Irregularity (P-V) @ 632.8nm:    |
| 45.85                           | Radius R <sub>1</sub> (mm):      |
| 1.97                            | f/#:                             |
| 0.25                            | Numerical Aperture NA:           |
| 266                             | Design Wavelength DWL (nm):      |
| 3 J/cm² @ 266nm, 20ns, 20Hz     | Damage Threshold, By Design: □   |
| Regulatory Compliance           |                                  |
| View                            | Certificate of Conformance:      |

## 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](#).

## Product Details

- Guaranteed Laser Damage Threshold
- 10-5 Surface Quality
- N/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 N/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

