

TECHSPEC<sup>®</sup> 25.4mm Dia. x 75mm FL, 355nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#38-673 4 In Stock**

☐ [Other Coating Options](#)

-

1

+

A\$369<sup>60</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | A\$369.60 each                |
| Qty 6-25       | A\$296.00 each                |
| Qty 26-49      | A\$270.40 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

25.40 +0.00/-0.025

Centering (arcmin):

|                                           |                                  |
|-------------------------------------------|----------------------------------|
| <1                                        |                                  |
| 5.00 ±0.10                                | Center Thickness CT (mm):        |
| 2.47                                      | Edge Thickness ET (mm):          |
| 21.59                                     | Clear Aperture CA (mm):          |
| Protective as needed                      | Bevel:                           |
| Optical Properties                        |                                  |
| 75.00 @ 355nm                             | Effective Focal Length EFL (mm): |
| 71.63                                     | Back Focal Length BFL (mm):      |
| Laser V-Coat (355nm)                      | Coating:                         |
| R <sub>abs</sub> <0.25% @ 355nm           | 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 (%):      |
| 35.71                                     | Radius R <sub>1</sub> (mm):      |
| 2.95                                      | f/#:                             |
| 0.17                                      | Numerical Aperture NA:           |
| 355                                       | Design Wavelength DWL (nm):      |
| 7.5 J/cm <sup>2</sup> @ 355nm, 20ns, 20Hz | Damage Threshold, By Design: □   |
| Regulatory Compliance                     |                                  |
| Compliant                                 | RoHS 2015:                       |
| Compliant                                 | Reach 209:                       |
| View                                      | Certificate of Conformance:      |

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