

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

+

₹16,271

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹16,271 each                  |
| Qty 6-25       | ₹13,001 each                  |
| Qty 26-49      | ₹11,911 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:                                |
| <a href="#">Fused Silica</a> (Corning 7980) | Substrate: <input type="checkbox"/>                   |
| 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: <input type="checkbox"/> |

Regulatory Compliance

|                                     |                             |
|-------------------------------------|-----------------------------|
| <a href="#">Compliant</a>           | RoHS 2015:                  |
| <a href="#">Compliant</a>           | Reach 209:                  |
| <a href="#">View</a>                | 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