

TECHSPEC<sup>®</sup> 25mm Diameter x 50mm FL, 355nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#67-954 5 In Stock**  
☐ [Other Coating Options](#)

-

1

+

€231<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €231,00 each                  |
| Qty 6-25       | €185,00 each                  |
| Qty 26-49      | €169,00 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 |                |
| 25.00 +0.00/-0.10                | Diameter (mm): |

|                      |                           |
|----------------------|---------------------------|
| <1                   | Centering (arcmin):       |
| 5.84 ±0.10           | Center Thickness CT (mm): |
| 2.13                 | Edge Thickness ET (mm):   |
| 22.5                 | Clear Aperture CA (mm):   |
| Protective as needed | Bevel:                    |

Optical Properties

|                                             |                                                       |
|---------------------------------------------|-------------------------------------------------------|
| 50.00 @ 587.6nm                             | Effective Focal Length EFL (mm):                      |
| 46.00                                       | 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"/>                   |
| 20-10                                       | Surface Quality:                                      |
| λ                                           | Power (P-V) @ 632.8nm:                                |
| λ/10                                        | Irregularity (P-V) @ 632.8nm:                         |
| ±1                                          | Focal Length Tolerance (%):                           |
| 22.92                                       | Radius R <sub>1</sub> (mm):                           |
| 2.00                                        | f##:                                                  |
| 0.25                                        | 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 201:                  |
| <a href="#">View</a>      | Certificate of Conformance: |

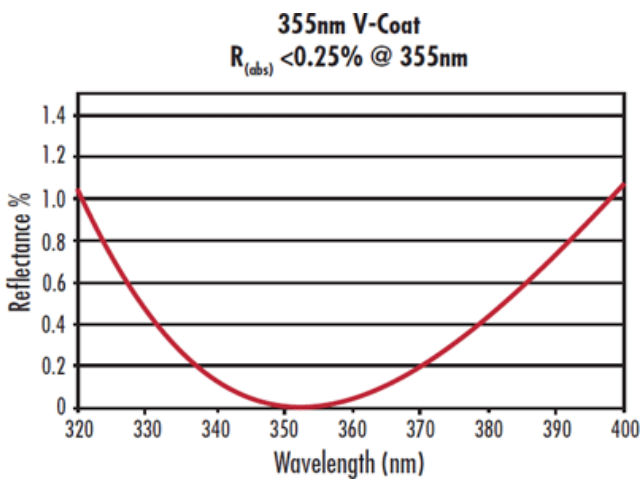
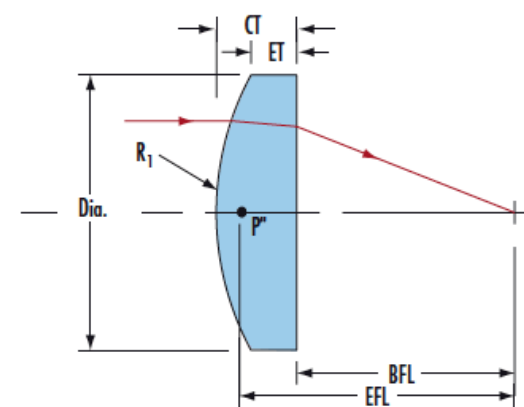
Product Details

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

TECHSPEC® Laser Grade PCXLenses are designed for high 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