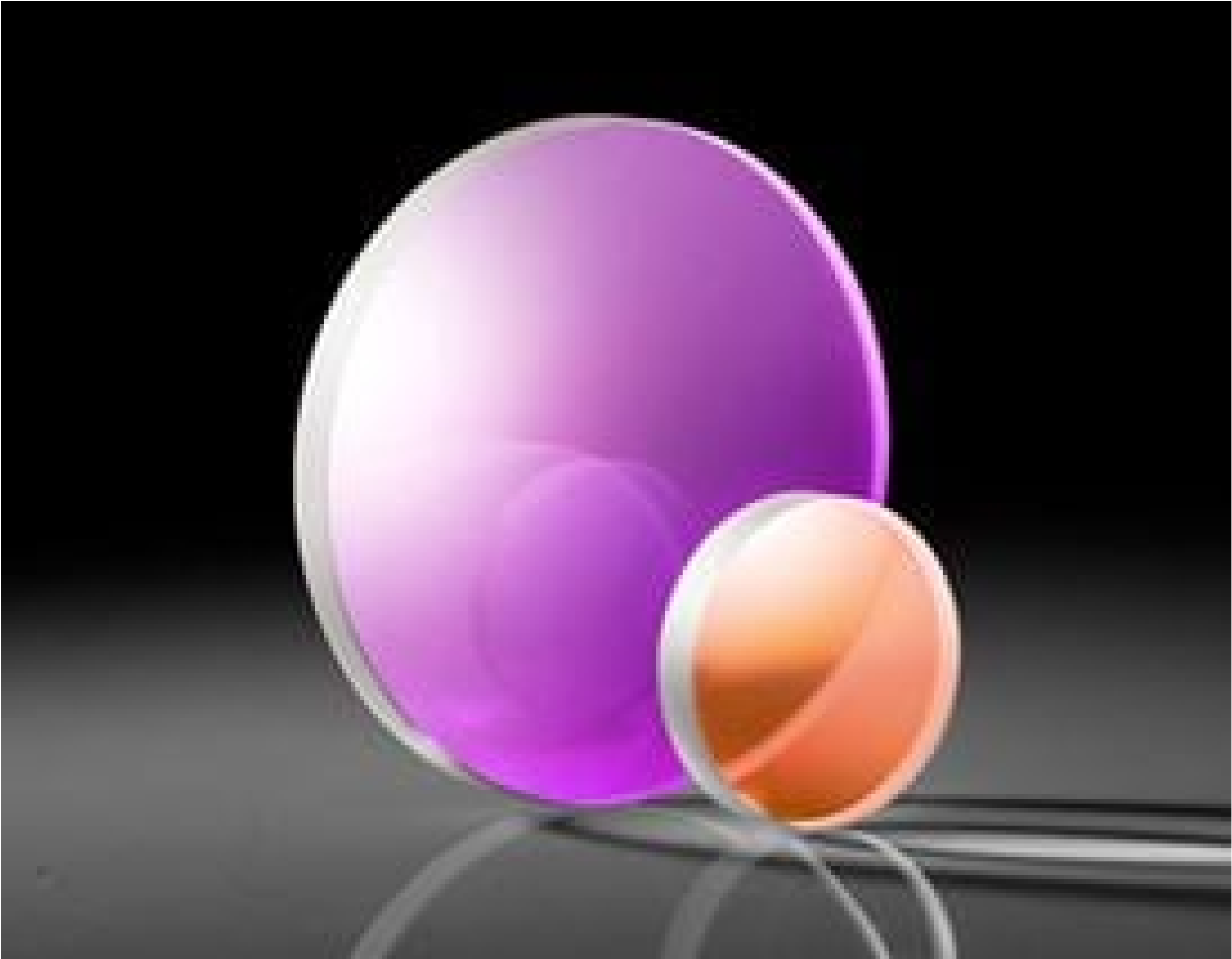


TECHSPEC<sup>®</sup> 12.7mm Dia. x 100mm FL, 266nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#38-662** **3 In Stock**  
[Other Coating Options](#)

-

1

+

£166<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £166.40 each                  |
| Qty 6-25       | £132.80 each                  |
| Qty 26-49      | £122.40 each                  |
| Need More?     | <a href="#">Request Quote</a> |

**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

| General                          |                |
|----------------------------------|----------------|
| Plano-Convex Lens                | Type:          |
| Physical & Mechanical Properties |                |
| 12.70 +0.00/-0.025               | Diameter (mm): |

|                      |                           |
|----------------------|---------------------------|
| <1                   | Centering (arcmin):       |
| 4.00 ±0.10           | Center Thickness CT (mm): |
| 3.57                 | Edge Thickness ET (mm):   |
| 11.43                | Clear Aperture CA (mm):   |
| Protective as needed | Bevel:                    |

Optical Properties

|                                 |                                                       |
|---------------------------------|-------------------------------------------------------|
| 100.00 @ 355nm                  | Effective Focal Length EFL (mm):                      |
| 97.32                           | Back Focal Length BFL (mm):                           |
| Laser V-Coat (266nm)            | Coating:                                              |
| R <sub>abs</sub> <0.25% @ 266nm | Coating Specification:                                |
| Fused Silica (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 (%):                           |
| 47.61                           | Radius R <sub>1</sub> (mm):                           |
| 7.87                            | f <sub>##</sub> :                                     |
| 0.06                            | Numerical Aperture NA:                                |
| 266                             | Design Wavelength DWL (nm):                           |
| 3 J/cm² @ 266nm, 20ns, 20Hz     | Damage Threshold, By Design: <input type="checkbox"/> |

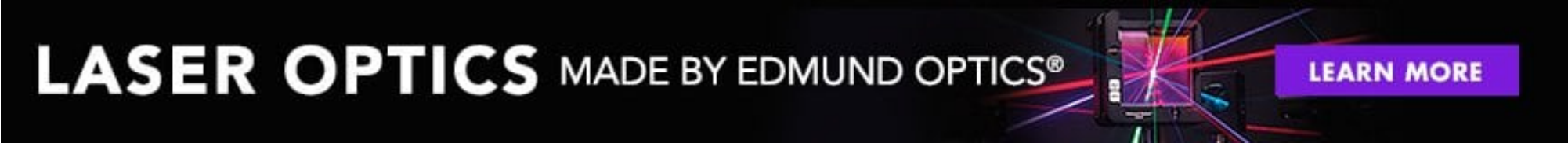
Regulatory Compliance

|      |                             |
|------|-----------------------------|
| View | Certificate of Conformance: |
|------|-----------------------------|

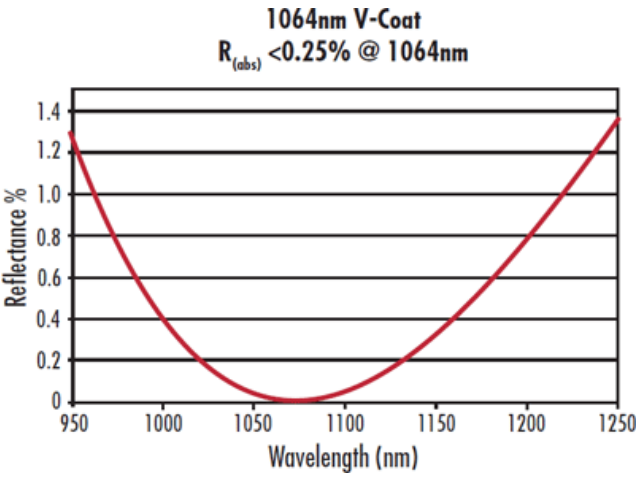
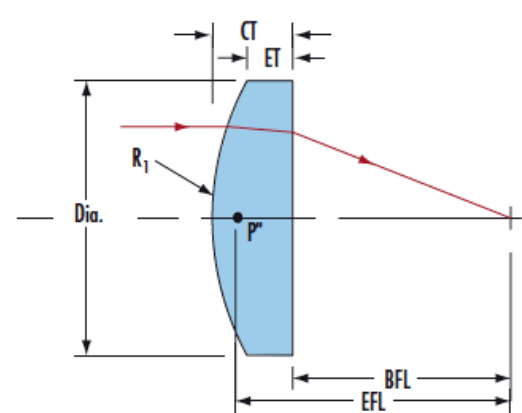
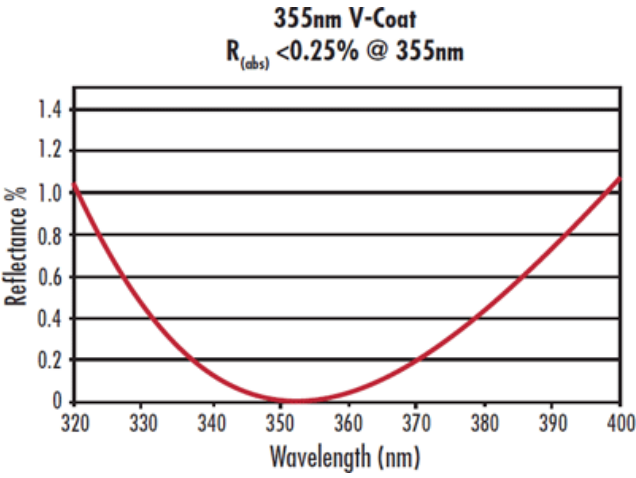
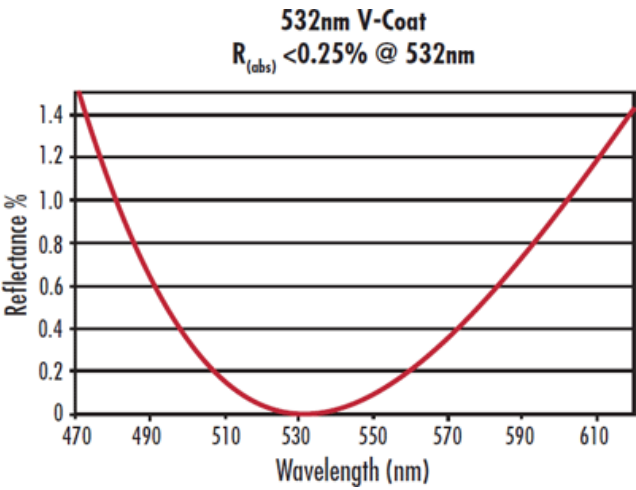
Product Details

- 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