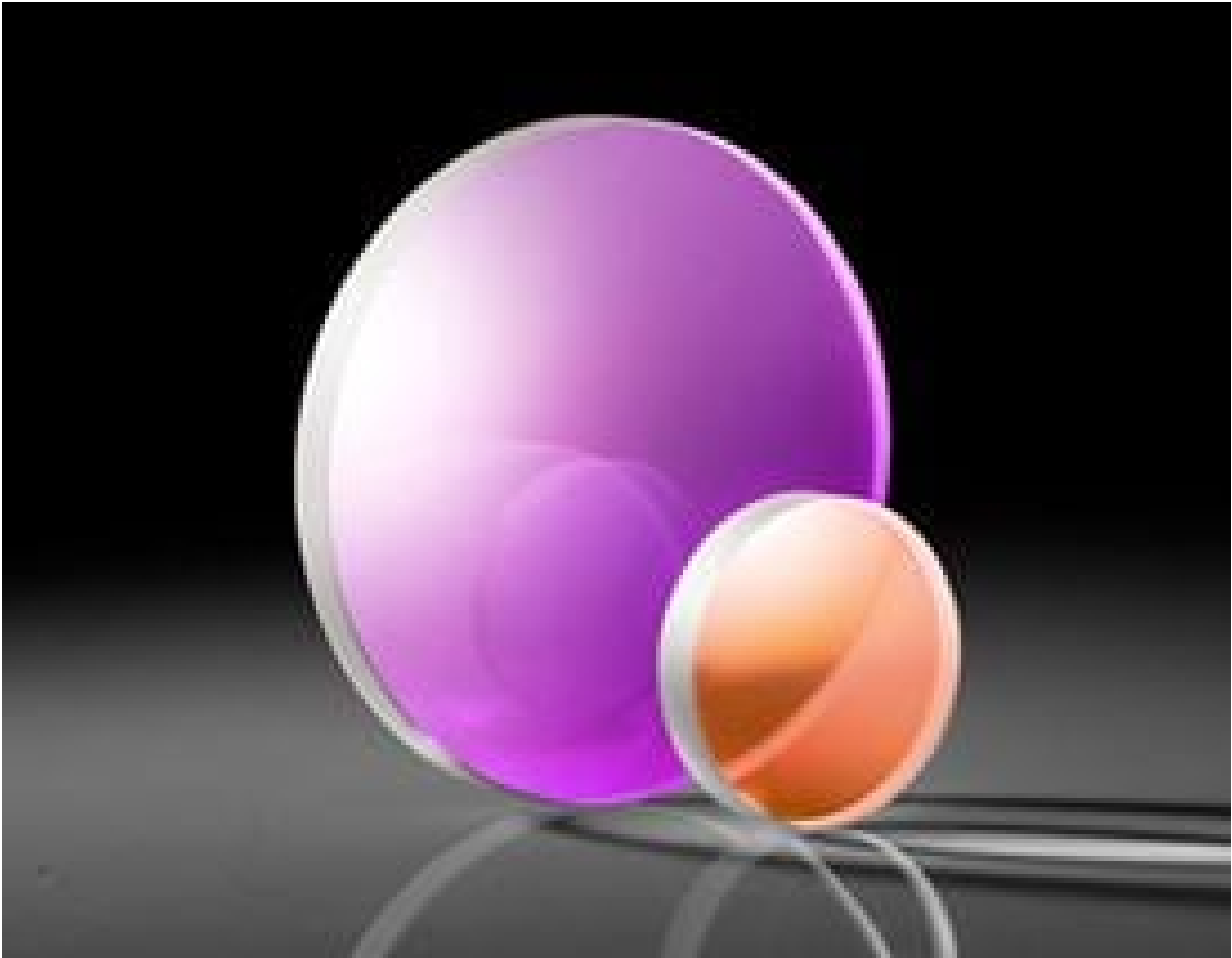


TECHSPEC<sup>®</sup> 25mm Diameter x 75mm FL, 1064nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#67-975 7 In Stock**

☐ [Other Coating Options](#)

-

1

+

€215<sup>27</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €215,27 each                  |
| Qty 6-25       | €172,01 each                  |
| Qty 26-49      | €157,59 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:

|                                  |                                          |
|----------------------------------|------------------------------------------|
| Plano-Convex Lens                |                                          |
| Physical & Mechanical Properties |                                          |
| 25.00 +0.00/-0.10                | Diameter (mm):                           |
| <1                               | Centering (arcmin):                      |
| 4.43 ±0.10                       | Center Thickness CT (mm):                |
| 2.08                             | Edge Thickness ET (mm):                  |
| 22.5                             | Clear Aperture CA (mm):                  |
| Protective as needed             | Bevel:                                   |
| Optical Properties               |                                          |
| 75.00 @ 587.6nm                  | Effective Focal Length EFL (mm):         |
| 71.96                            | Back Focal Length BFL (mm):              |
| Laser V-Coat (1064nm)            | Coating:                                 |
| R <sub>abs</sub> <0.25% @ 1064nm | Coating Specification:                   |
| Fused Silica (Corning 7980)      | Substrate: <div></div>                   |
| 20-10                            | Surface Quality:                         |
| λ                                | Power (P-V) @ 632.8nm:                   |
| λ/10                             | Irregularity (P-V) @ 632.8nm:            |
| ±1                               | Focal Length Tolerance (%):              |
| 34.39                            | Radius R <sub>1</sub> (mm):              |
| 3.00                             | f/#:                                     |
| 0.17                             | Numerical Aperture NA:                   |
| 1064                             | Design Wavelength DWL (nm):              |
| 15 J/cm² @ 1064nm, 20ns, 20Hz    | Damage Threshold, By Design: <div></div> |
| Regulatory Compliance            |                                          |
| Compliant                        | RoHS 2015:                               |
| Compliant                        | REACH 201:                               |
| View                             | Certificate of Conformance:              |

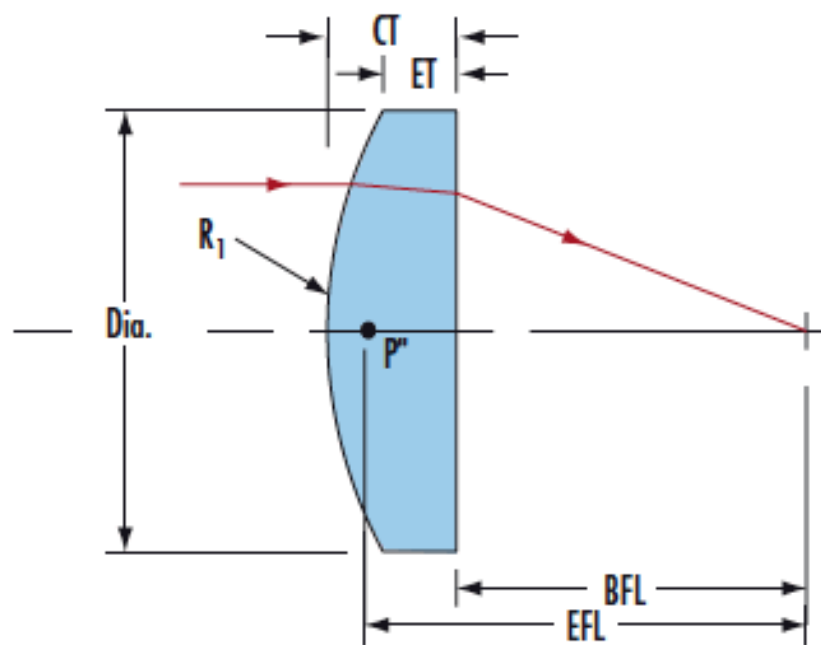
## PRODUCT DETAILS

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

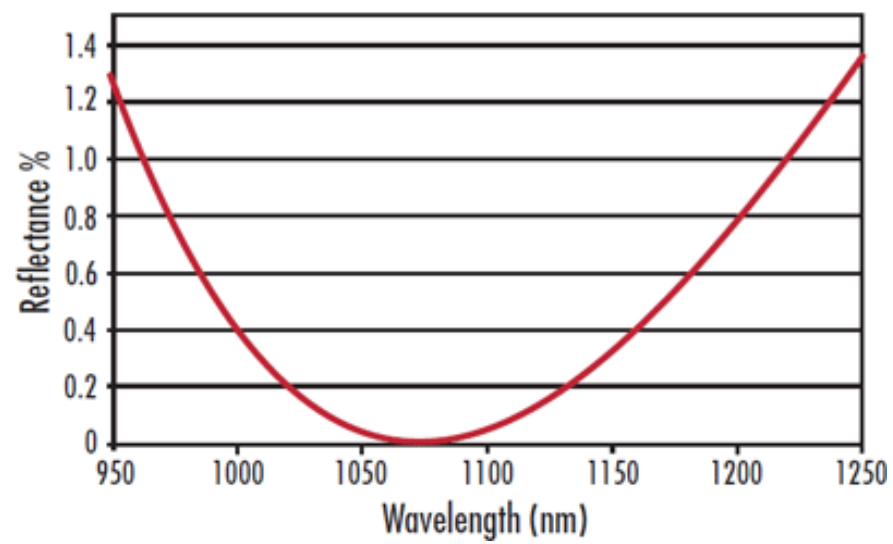
TECHSPEC® Laser Grade PCX Lenses are designed for high energy Nd:YAG laser applications including laser cutting, machining, and welding. The precision fused silica substrate, featuring λ/10 surface accuracy and 10-5 surface quality, ensures low scatter and excellent transmitted wavefront performance. 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



**1064nm V-Coat**  
 $R_{(obs)} < 0.25\% @ 1064nm$



## 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