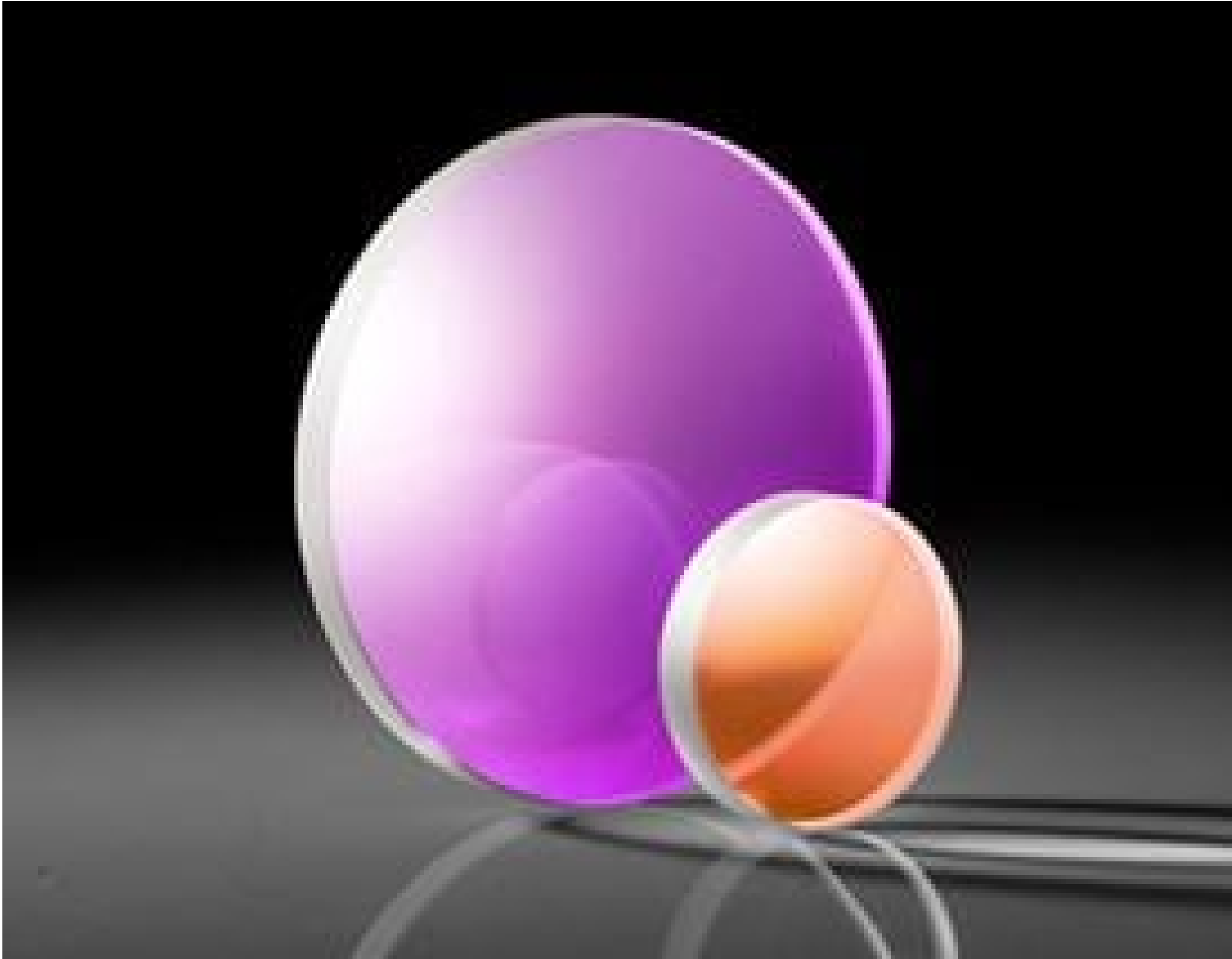


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TECHSPEC®

12.7mm Dia. x 300mm FL, 1064nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#38-741** **1 In Stock**

☐ [Other Coating Options](#)

-

1

+

€208<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €208,00 each                  |
| Qty 6-25       | €166,00 each                  |
| Qty 26-49      | €153,00 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): |
| 3.86                 | Edge Thickness ET (mm):   |
| 11.43                | Clear Aperture CA (mm):   |
| Protective as needed | Bevel:                    |

Optical Properties

|                                             |                                                       |
|---------------------------------------------|-------------------------------------------------------|
| 300.00 @ 355nm                              | Effective Focal Length EFL (mm):                      |
| 297.38                                      | Back Focal Length BFL (mm):                           |
| Laser V-Coat (1064nm)                       | Coating:                                              |
| R <sub>abs</sub> <0.25% @ 1064nm            | 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 (%):                           |
| 142.83                                      | Radius R <sub>1</sub> (mm):                           |
| 23.62                                       | f <sup>##</sup> :                                     |
| 0.02                                        | Numerical Aperture NA:                                |
| 1064                                        | Design Wavelength DWL (nm):                           |
| 15 J/cm <sup>2</sup> @ 1064nm, 20ns, 20Hz   | Damage Threshold, By Design: <input type="checkbox"/> |

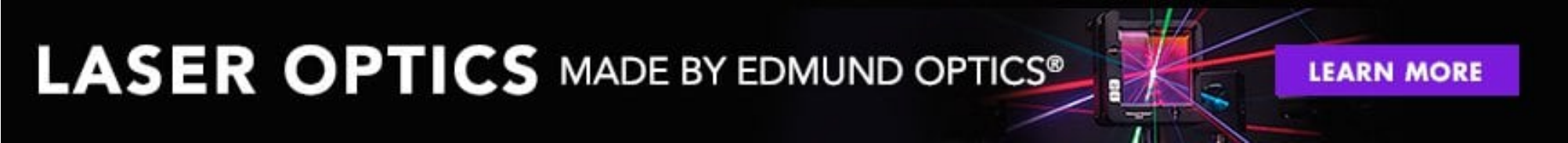
Regulatory Compliance

|                      |                             |
|----------------------|-----------------------------|
| <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