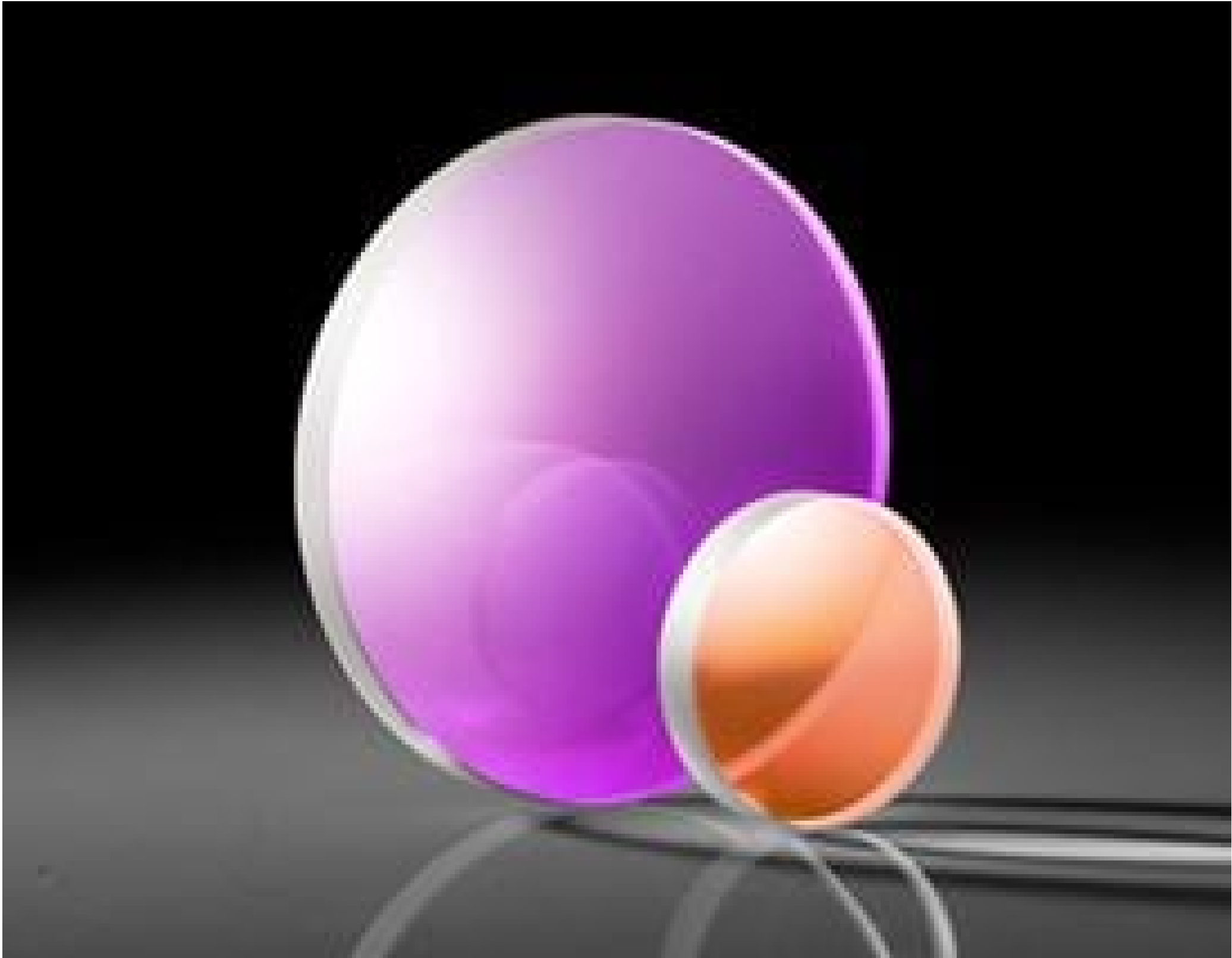


TECHSPEC<sup>®</sup> 12.7mm Dia. x 500mm FL, Uncoated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#38-644** 20+ In Stock

☐ [Other Coating Options](#)

-

1

+

C\$226<sup>.80</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$226.80 each                |
| Qty 6-25       | C\$180.60 each                |
| Qty 26-49      | C\$168.00 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

12.70 +0.00/-0.025

Centering (arcmin):

|                             |                                     |
|-----------------------------|-------------------------------------|
| <1                          |                                     |
| 4.00 ±0.10                  | Center Thickness CT (mm):           |
| 3.92                        | Edge Thickness ET (mm):             |
| 11.43                       | Clear Aperture CA (mm):             |
| Protective as needed        | Bevel:                              |
| Optical Properties          |                                     |
| 500.00 @ 355nm              | Effective Focal Length EFL (mm):    |
| 497.44                      | Back Focal Length BFL (mm):         |
| Uncoated                    | Coating:                            |
| 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 (%):         |
| 238.04                      | Radius R <sub>1</sub> (mm):         |
| 39.37                       | f/#:                                |
| 0.01                        | Numerical Aperture NA:              |
| 200 - 2200                  | Wavelength Range (nm):              |
| Regulatory Compliance       |                                     |
| View                        | Certificate of Conformance:         |

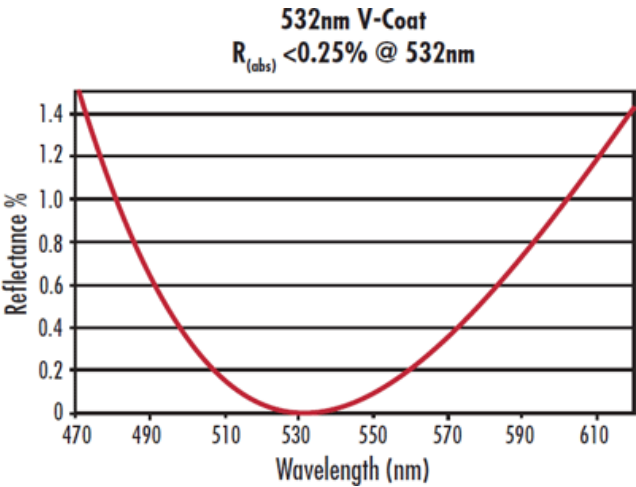
## Product Details

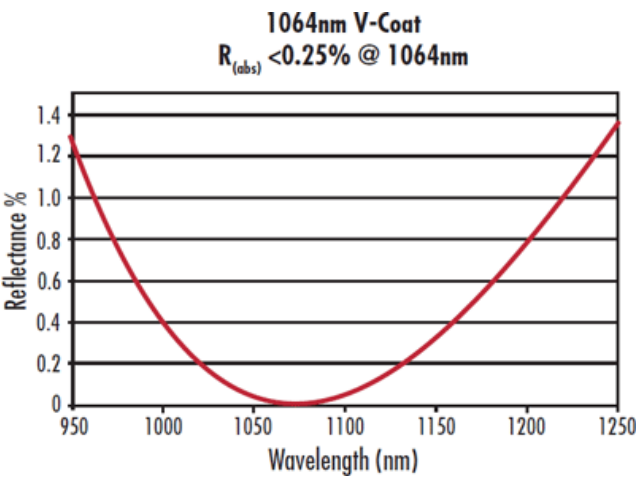
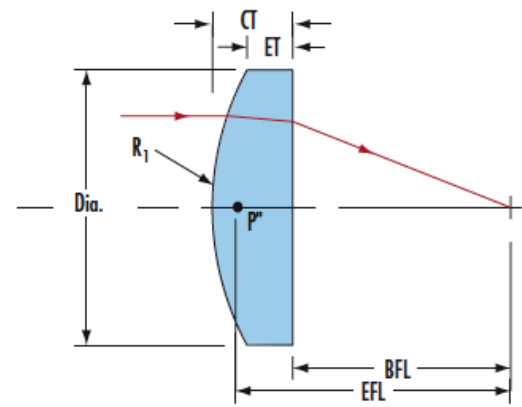
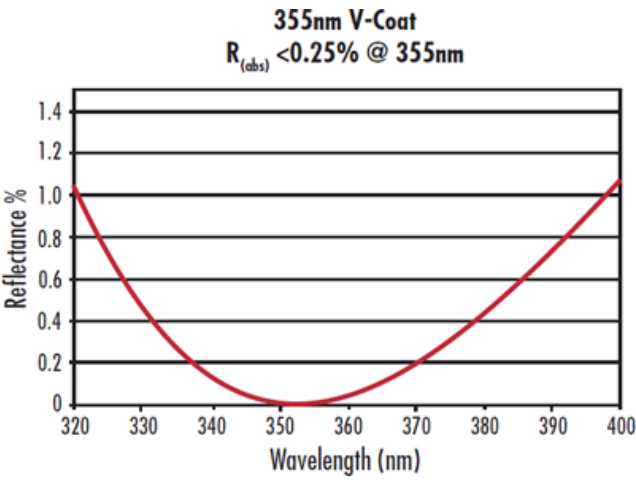
- Guaranteed Laser Damage Threshold
- 10-5 Surface Quality
- λ/10 Surface Accuracy

TECHSPEC® Laser Grade PCXLenses are designed for high 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