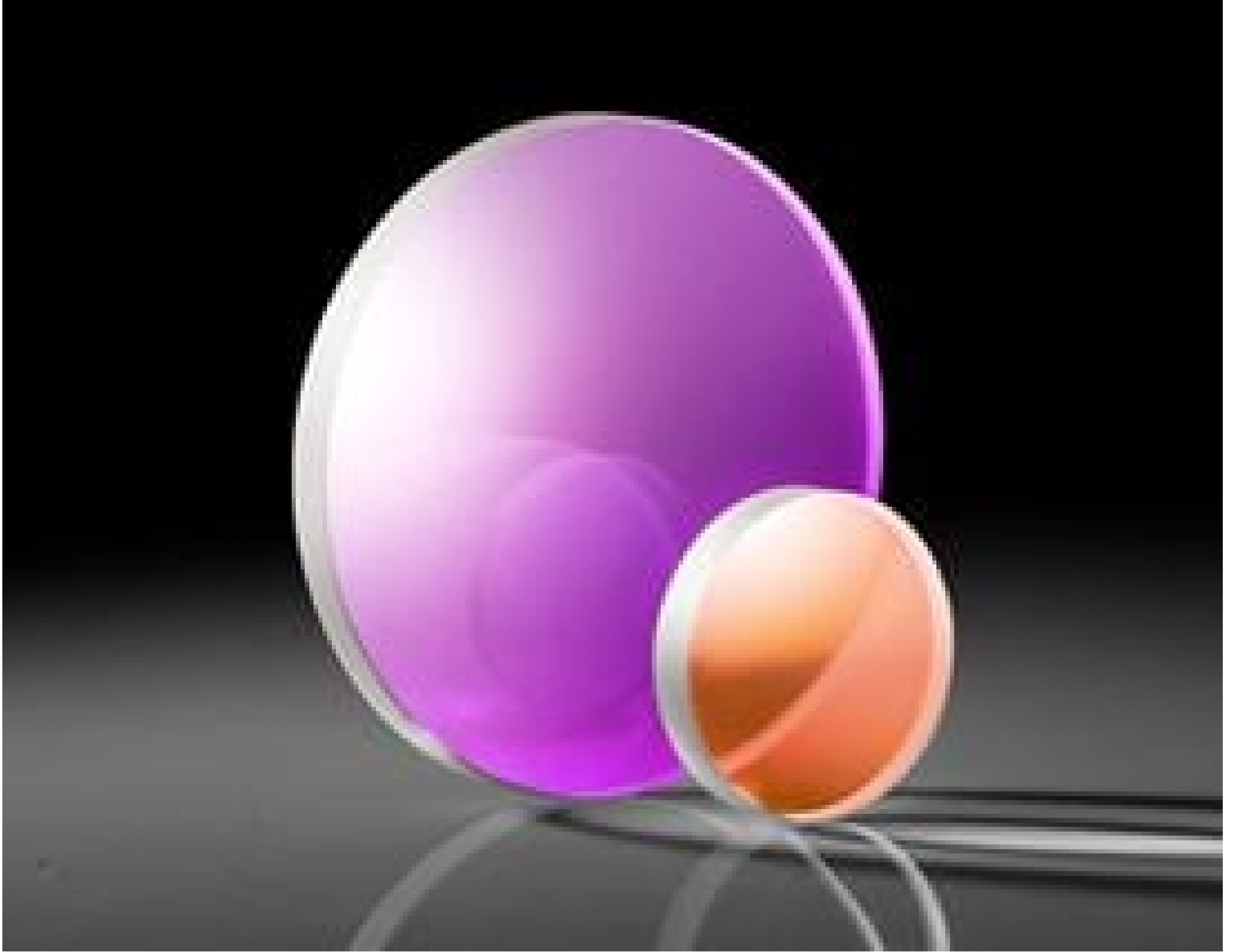


TECHSPEC® 50.8mm Dia. x 250mm FL, 266nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCX Lenses

Stock **#70-016** **5 In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ **A\$700⁰⁰**

ADD TO CART

Volume Pricing	
Qty 1-5	A\$700.80 each
Qty 6-25	A\$560.00 each
Qty 26-49	A\$513.60 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Plano-Convex Lens

Type:

Physical & Mechanical Properties

50.80 +0.00/-0.025 **Diameter (mm):**

<1 **Centering (arcmin):**

8.00 **Center Thickness CT (mm):**

5.15 **Edge Thickness ET (mm):**

45.72 **Clear Aperture CA (mm):**

Protective as needed **Bevel:**

Optical Properties

250.00 @ 355nm **Effective Focal Length EFL (mm):**

244.514 **Back Focal Length BFL (mm):**

Laser V-Coat (266nm) **Coating:**

$R_{\text{abs}} < 0.25\%$ @ 266nm **Coating Specification:**

Fused Silica (Corning 7980) **Substrate:**

10-5 **Surface Quality:**

λ **Power (P-V) @ 632.8nm:**

$N/10 \pm 1$ **Irregularity (P-V) @ 632.8nm:**

114.62 **Radius R_1 (mm):**

4.92 **f#:**

0.10 **Numerical Aperture NA:**

266 **Design Wavelength DWL (nm):**

3 J/cm^2 @ 266nm, 20ns, 20Hz **Damage Threshold, By Design:**

Regulatory Compliance

[View](#) **Certificate of Conformance:**

PRODUCT DETAILS

- Guaranteed Laser Damage Threshold
- 10-5 Surface Quality
- $N/10$ Surface Accuracy

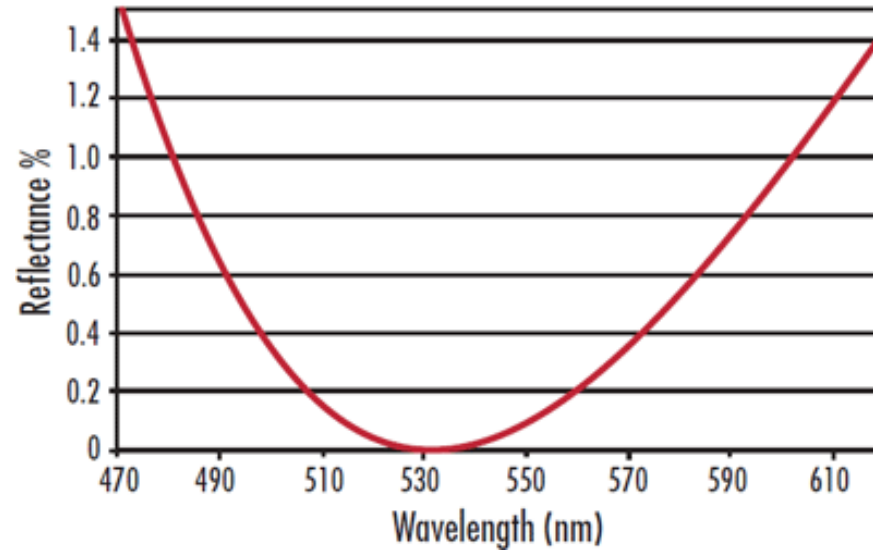
TECHSPEC® Laser Grade PCX Lenses are designed for high energy Nd:YAG laser applications including laser cutting, machining, and welding. The precision fused silica substrate, featuring $N/10$ surface accuracy and 10-5 surface quality, ensures low scatter and excellent transmitted wavefront performance.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

LASER OPTICS MADE BY EDMUND OPTICS®

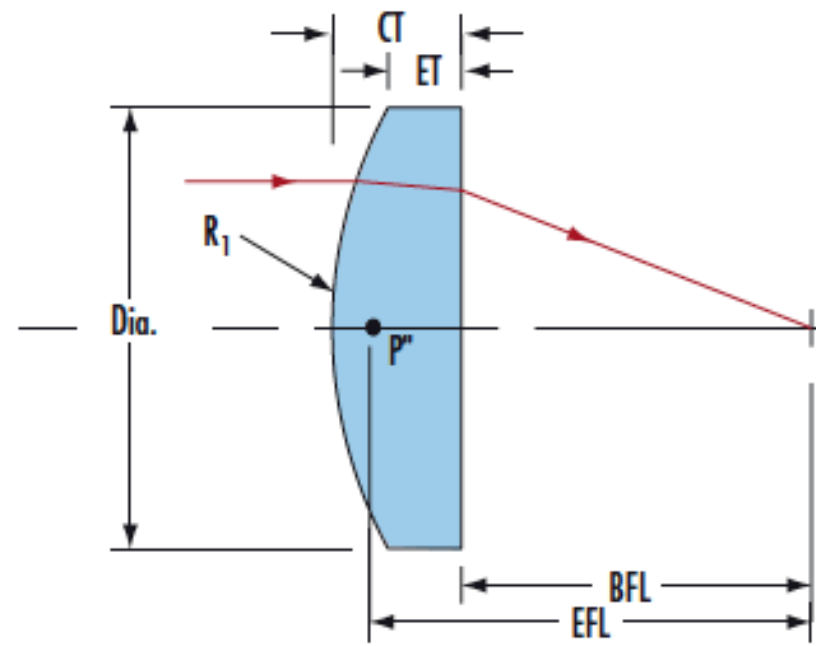
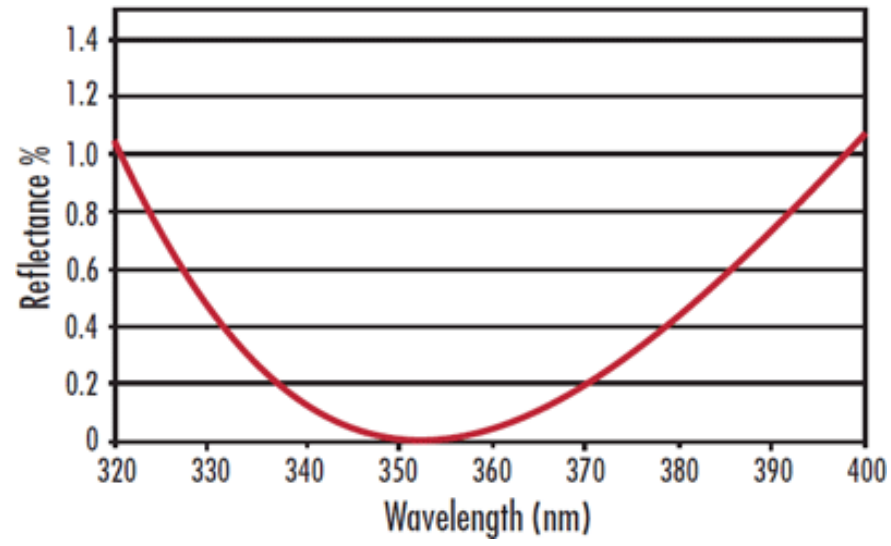
[LEARN MORE](#)

TECHNICAL INFORMATION

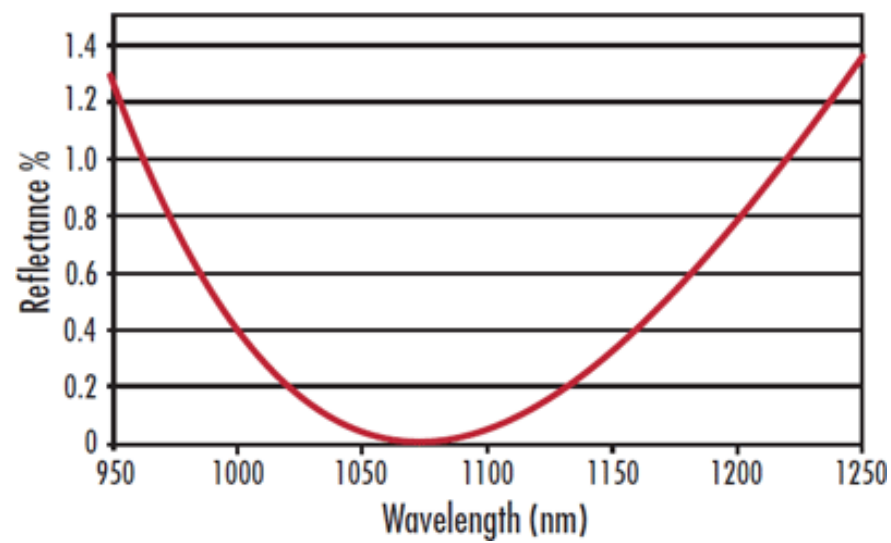
532nm V-Coat
 $R_{(abs)} < 0.25\% @ 532nm$



355nm V-Coat
 $R_{(abs)} < 0.25\% @ 355nm$



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



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](#).
