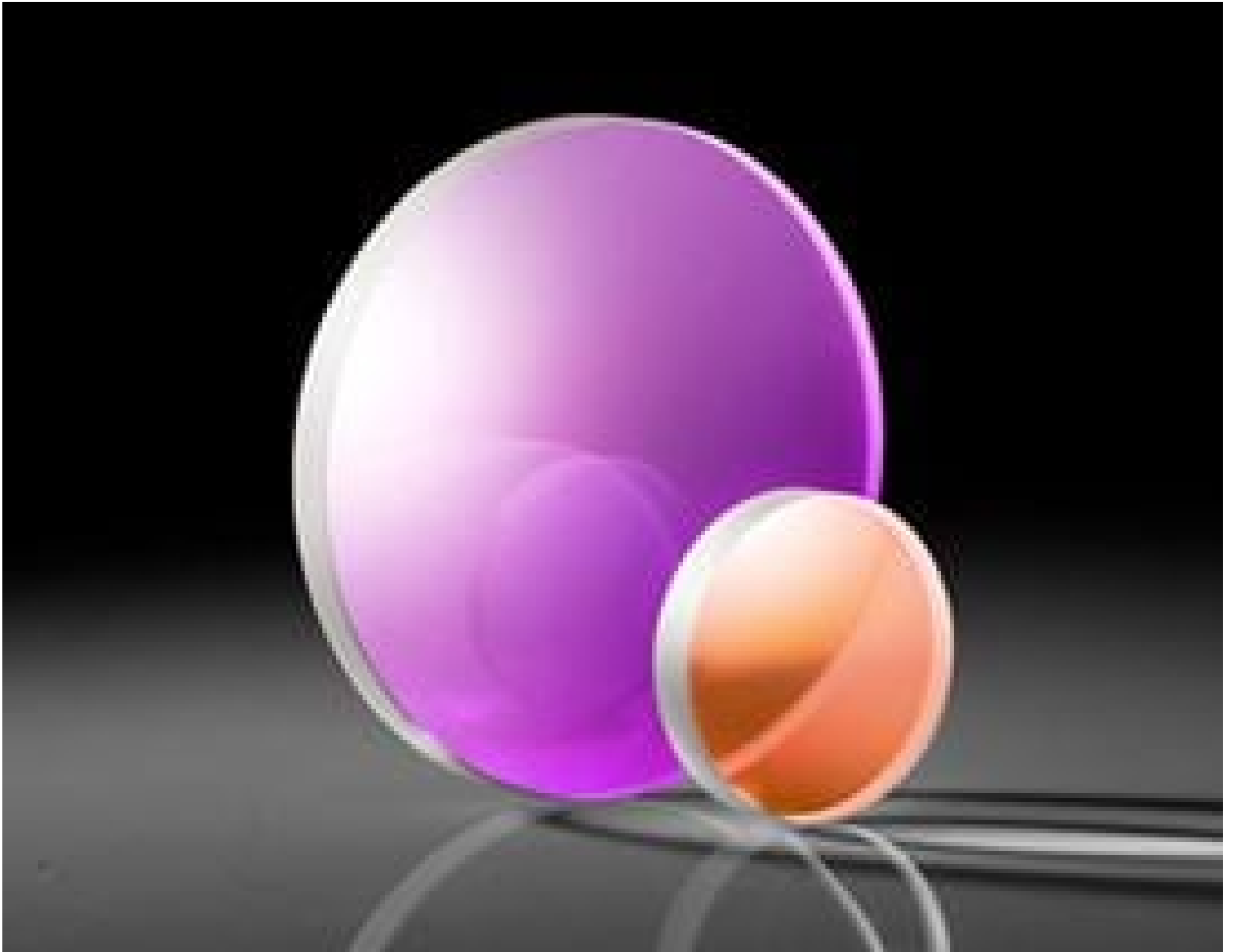


TECHSPEC® 6mm Diameter x 24mm FL, 1064nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCX Lenses

Stock **#87-942** **5 In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ £151²⁰

ADD TO CART

Volume Pricing	
Qty 1-5	£151.20 each
Qty 6-25	£121.60 each
Qty 26-49	£111.20 each
Need More?	Request Quote

! Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:

Physical & Mechanical Properties

6.00 +0.00/-0.05 **Diameter (mm):**

<1 **Centering (arcmin):**

2.00 ±0.05 **Center Thickness CT (mm):**

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

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

Protective as needed **Bevel:**

Optical Properties

24.00 @ 587.6nm **Effective Focal Length EFL (mm):**

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

Laser V-Coat (1064nm) **Coating:**

$R_{\text{abs}} < 0.25\%$ @ 1064nm **Coating Specification:**

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

20-10 **Surface Quality:**

λ **Power (P-V) @ 632.8nm:**

$\lambda/10$ **Irregularity (P-V) @ 632.8nm:**

±1 **Focal Length Tolerance (%):**

11.00 **Radius R_1 (mm):**

4.00 **f#:**

0.13 **Numerical Aperture NA:**

1064 **Design Wavelength DWL (nm):**

15 J/cm² @ 1064nm, 20ns, 20Hz **Damage Threshold, By Design:**

Regulatory Compliance

Compliant **RoHS 2015:**

Compliant **REACH 201:**

View **Certificate of Conformance:**

PRODUCT DETAILS

- Guaranteed Laser Damage Threshold
- 10-5 Surface Quality
- $\lambda/10$ 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 $\lambda/10$ 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.

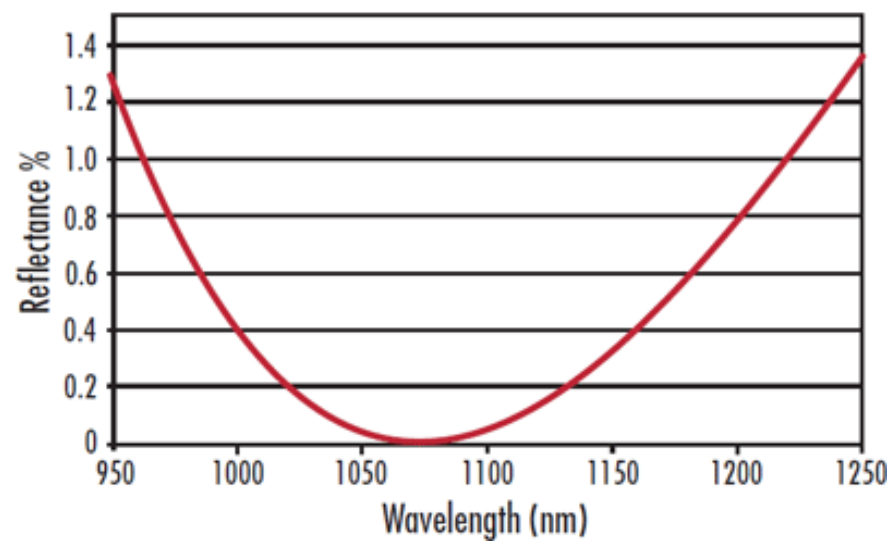
LASER OPTICS MADE BY EDMUND OPTICS®

LEARN MORE

TECHNICAL INFORMATION



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



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