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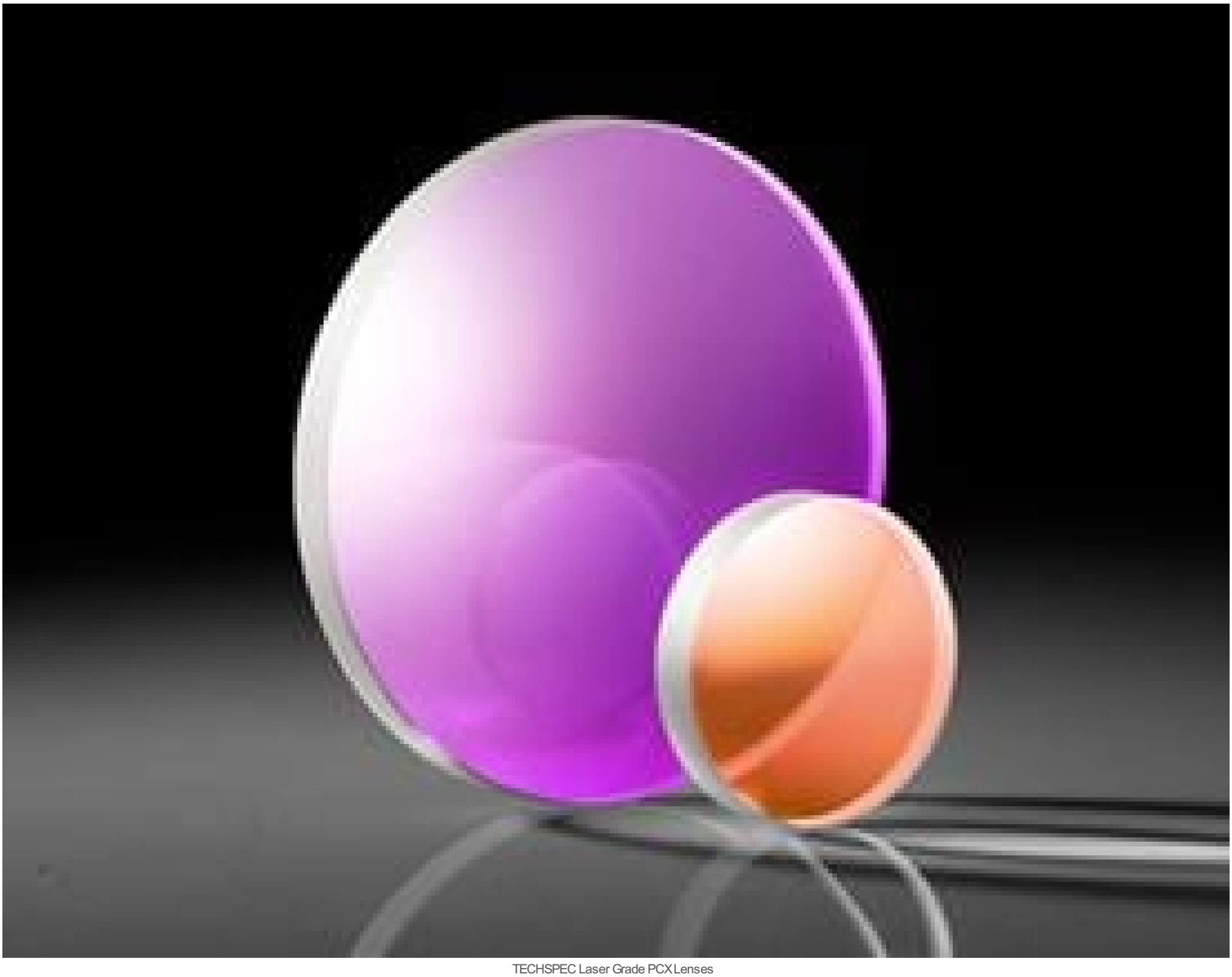
25.4mm Dia. x 250mm FL, 261.4nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCX Lenses

Stock **#19-740** CLEARANCE **1 In Stock**

- 1 + **A$187**.12

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Volume Pricing	
Qty 1+	**A$187.12** each
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General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

25.40 +0.00/-0.025

Centering (arcmin):

<3

Center Thickness CT (mm):

4.00 ±0.10

Edge Thickness ET (mm):
3.27

Clear Aperture CA (mm):
21.59

Bevel:
Protective as needed

Optical Properties

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

Back Focal Length BFL (mm):
247.36

Coating:
Laser V-Coat (261.4nm)

Coating Specification:
R_{abs} <0.25% @ 261.4nm

Substrate:
Fused Silica (Corning 7980)

Surface Quality:
10-5

Power (P-V) @ 632.8nm:
λ

Irregularity (P-V) @ 632.8nm:
λ/10

Focal Length Tolerance (%):
±1

Radius R_1 (mm):
119.02

f/#:
9.84

Numerical Aperture NA:
0.05

Design Wavelength DWL (nm):
261.4

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

Regulatory Compliance

Certificate of Conformance:
View

Need different specs or modifications?

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.

Product Details

- Lenses, Mirrors, and Windows Designed for 261.4nm
- High Damage Thresholds to Withstand High Energy UV Photons
- Ideal for Use with the UVC Photonics Model 261 Laser

Optics for 261.4nm Lasers are manufactured with tight surface tolerances and high laser damage thresholds to meet the demanding needs of UV laser systems. With lenses, mirrors, and windows designed for 261.4nm available, these optics provide a solution for beam focusing, beam steering, and protecting sensitive components. Optics designed for 266nm that work well at 261nm, including filters, beam expanders, and beam shaping optics, are also available along with UV detection and measurement products. Optics for 261.4nm Lasers are ideal for use with UV lasers, such as the UVC Photonics Model 261 Laser, in applications including UV disinfection systems, biomedical fluorescence, and UV Raman spectroscopy. Please contact us if your application requires a 261.4nm optical component with a custom size, geometry, or coating.

Compatible Mounts

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