

TECHSPEC[®] 50.8mm Dia. x 100mm FL, 266nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#70-013 4 In Stock**
[Other Coating Options](#)

-

1

+

€438⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€438,00 each
Qty 6-25	€350,00 each
Qty 26-49	€321,00 each
Need More?	Request Quote

i Prices shown are exclusive of VAT/local taxes

Product Downloads

General	
Plano-Convex Lens	Type:
Physical & Mechanical Properties	
50.80 +0.00/-0.025	Diameter (mm):

<1	Centering (arcmin):
12.00	Center Thickness CT (mm):
4.32	Edge Thickness ET (mm):
45.72	Clear Aperture CA (mm):
Protective as needed	Bevel:
Optical Properties	
100.00 @ 355nm	Effective Focal Length EFL (mm):
91.773	Back Focal Length BFL (mm):
Laser V-Coat (266nm)	Coating:
R _{abs} <0.25% @ 266nm	Coating Specification:
Fused Silica (Corning 7980)	Substrate: □
10-5	Surface Quality:
λ	Power (P-V) @ 632.8nm:
N/10 ±1	Irregularity (P-V) @ 632.8nm:
45.85	Radius R ₁ (mm):
1.97	f/#:
0.25	Numerical Aperture NA:
266	Design Wavelength DWL (nm):
3 J/cm² @ 266nm, 20ns, 20Hz	Damage Threshold, By Design: □
Regulatory Compliance	
View	Certificate of Conformance:

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](#).

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.



Technical Information

