

TECHSPEC[®] 6mm Diameter x 12mm FL, Uncoated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#87-924 20+ In Stock**
[Other Coating Options](#)

-

1

+

C\$211⁴⁰

ADD TO CART

Volume Pricing	
Qty 1-5	C\$211.40 each
Qty 6-25	C\$169.40 each
Qty 26-49	C\$156.80 each
Need More?	Request Quote

Product Downloads

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

6.00 +0.00/-0.05

Centering (arcmin):

<1	
2.00 ±0.05	Center Thickness CT (mm):
1.11	Edge Thickness ET (mm):
5.4	Clear Aperture CA (mm):
Protective as needed	Bevel:
Optical Properties	
12.00 @ 587.6nm	Effective Focal Length EFL (mm):
10.63	Back Focal Length BFL (mm):
Uncoated	Coating:
Fused Silica (Corning 7980)	Substrate: □
20-10	Surface Quality:
λ	Power (P-V) @ 632.8nm:
λ/10	Irregularity (P-V) @ 632.8nm:
±1	Focal Length Tolerance (%):
5.50	Radius R ₁ (mm):
2.00	f/#:
0.25	Numerical Aperture NA:
200 - 2200	Wavelength Range (nm):
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 219:
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
- λ/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 λ/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®



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Technical Information



Compatible Mounts

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