

TECHSPEC[®] 12.7mm Dia. x 150mm FL, Uncoated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock #38-639 20+ In Stock

☐ Other Coating Options

-

1

+

₹11,600

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Volume Pricing	
Qty 1-5	₹11,600 each
Qty 6-25	₹9,264 each
Qty 26-49	₹8,564 each
Need More?	Request Quote

Product Downloads

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

12.70 +0.00/-0.025

Centering (arcmin):

<1	
4.00 ±0.10	Center Thickness CT (mm):
3.72	Edge Thickness ET (mm):
11.43	Clear Aperture CA (mm):
Protective as needed	Bevel:
Optical Properties	
150.00 @ 355nm	Effective Focal Length EFL (mm):
147.33	Back Focal Length BFL (mm):
Uncoated	Coating:
Fused Silica (Corning 7980)	Substrate: □
10-5	Surface Quality:
λ	Power (P-V) @ 632.8nm:
λ/10	Irregularity (P-V) @ 632.8nm:
±1	Focal Length Tolerance (%):
71.41	Radius R ₁ (mm):
11.81	f/#:
0.04	Numerical Aperture NA:
200 - 2200	Wavelength Range (nm):
Regulatory Compliance	
View	Certificate of Conformance:
Vietnam	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

- Guaranteed Laser Damage Threshold
- 10-5 Surface Quality
- λ/10 Surface Accuracy

TECHSPEC® Laser Grade PCXLenses are designed for high energyNd:YAGlaser 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 PCXLenses 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:YAGlaser wavelengths to ensure maximum laser throughput.

LASER OPTICS

MADE BY EDMUND OPTICS®



Technical Information



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