

TECHSPEC[®] 12.7mm Dia. x 50mm FL, Uncoated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#38-636** 20+ In Stock

☐ [Other Coating Options](#)

-

1

+

€162^{.00}

ADD TO CART

Volume Pricing	
Qty 1-5	€162,00 each
Qty 6-25	€129,00 each
Qty 26-49	€120,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General	
Plano-Convex Lens	Type:
Physical & Mechanical Properties	
12.70 +0.00/-0.025	Diameter (mm):

<1	Centering (arcmin):
4.00 ±0.10	Center Thickness CT (mm):
3.14	Edge Thickness ET (mm):
11.43	Clear Aperture CA (mm):
Protective as needed	Bevel:
Optical Properties	
50.00 @ 355nm	Effective Focal Length EFL (mm):
47.30	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 (%):
23.80	Radius R ₁ (mm):
3.94	f#:
0.13	Numerical Aperture NA:
200 - 2200	Wavelength Range (nm):
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

• Guaranteed Laser Damage Threshold

• 10-5 Surface Quality

• λ/10 Surface Accuracy

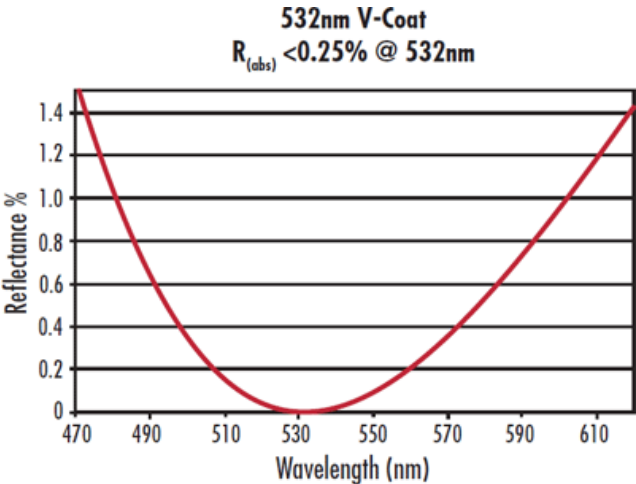
TECHSPEC® Laser Grade PCXLenses are designed for high energyNd:YAGlaser applications including laser cutting, machining, and welding. The precision fused silica substrate, featuring λ/10 surface accuracy and 10-5 surface quality, ensures low scatter and excellent transmitted wavefront performance. TECHSPEC® 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