

TECHSPEC[®] 25.4mm Dia. x 75mm FL, 1064nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#38-723** **2 In Stock**

☐ [Other Coating Options](#)

-

1

+

A\$369⁶⁰

ADD TO CART

Volume Pricing	
Qty 1-5	A\$369.60 each
Qty 6-25	A\$296.00 each
Qty 26-49	A\$270.40 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Plano-Convex Lens

Type:

Physical & Mechanical Properties	
25.40 +0.00/-0.025	Diameter (mm):
<1	Centering (arcmin):
5.00 ±0.10	Center Thickness CT (mm):
2.47	Edge Thickness ET (mm):
21.59	Clear Aperture CA (mm):
Protective as needed	Bevel:
Optical Properties	
75.00 @ 355nm	Effective Focal Length EFL (mm):
71.63	Back Focal Length BFL (mm):
Laser V-Coat (1064nm)	Coating:
R _{abs} <0.25% @ 1064nm	Coating Specification:
Fused Silica (Corning 7980)	Substrate: ☐
10-5	Surface Quality:
λ	Power (P-V) @ 632.8nm:
N/10	Irregularity (P-V) @ 632.8nm:
±1	Focal Length Tolerance (%):
35.71	Radius R ₁ (mm):
2.95	f#:
0.17	Numerical Aperture NA:
1064	Design Wavelength DWL (nm):
15 J/cm ² @ 1064nm, 20ns, 20Hz	Damage Threshold, By Design: ☐
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 209:
View	Certificate of Conformance:

PRODUCT DETAILS

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

TECHSPEC® Laser Grade PCXLenses 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 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:YAG laser 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

