

TECHSPEC[®] 12mm Diameter x 36mm FL, 355nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#67-951** **1 In Stock**
☐ [Other Coating Options](#)

-

1

+

S\$291²⁰

ADD TO CART

Volume Pricing	
Qty 1-5	S\$291.20 each
Qty 6-25	S\$232.40 each
Qty 26-49	S\$215.60 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Type:
Plano-Convex Lens

Physical & Mechanical Properties

12.00 +0.00/-0.10	Diameter (mm):
<1	Centering (arcmin):
2.50 ±0.05	Center Thickness CT (mm):
1.37	Edge Thickness ET (mm):
10.2	Clear Aperture CA (mm):
Protective as needed	Bevel:

Optical Properties

36.00 @ 587.6nm	Effective Focal Length EFL (mm):
34.29	Back Focal Length BFL (mm):
Laser V-Coat (355nm)	Coating:
R _{abs} <0.25% @ 355nm	Coating Specification:
Fused Silica (Corning 7980)	Substrate: □
20-10	Surface Quality:
λ	Power (P-V) @ 632.8nm:
N10	Irregularity (P-V) @ 632.8nm:
±1	Focal Length Tolerance (%):
16.51	Radius R ₁ (mm):
3.00	f/#:
0.17	Numerical Aperture NA:
355	Design Wavelength DWL (nm):
7.5 J/cm ² @ 355nm, 20ns, 20Hz	Damage Threshold, By Design: □

Regulatory Compliance

Compliant	RoHS 2015:
Compliant	REACH 201:
View	Certificate of Conformance:

PRODUCT DETAILS

- Guaranteed Laser Damage Threshold
- 10-5 Surface Quality
- N10 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 N10 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.

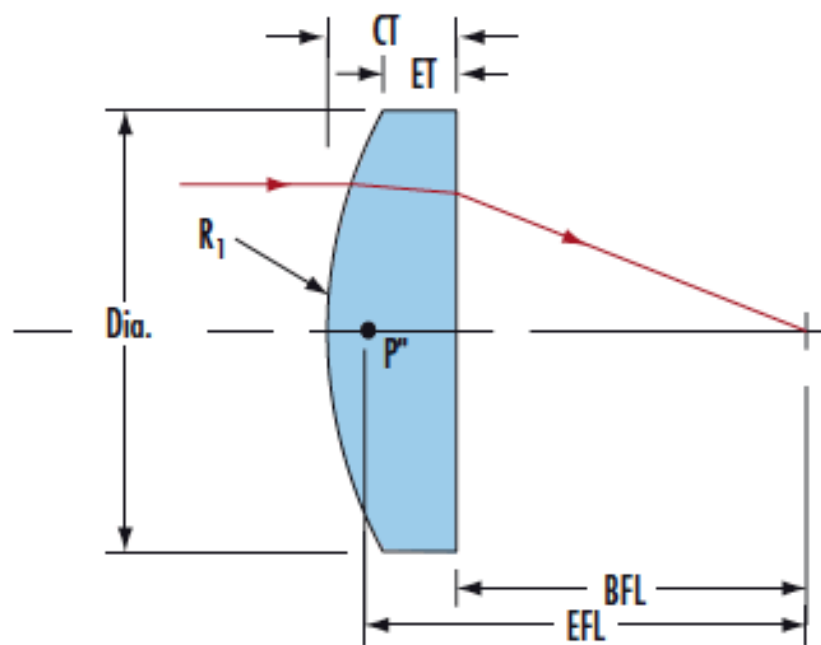
LASER OPTICS

MADE BY EDMUND OPTICS®

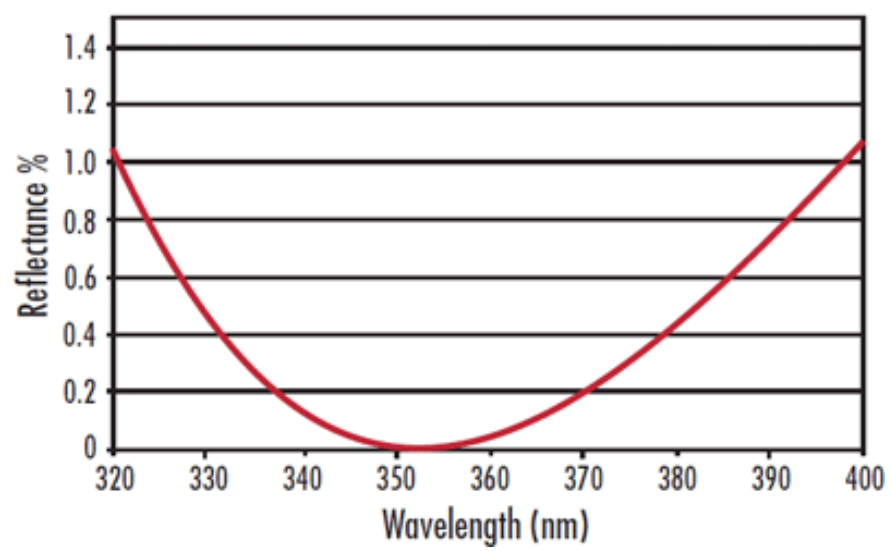


LEARN MORE

TECHNICAL INFORMATION



355nm V-Coat
 $R_{(abs)} < 0.25\% @ 355nm$



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