

TECHSPEC[®] 25.4mm Dia. x 50mm FL, 355nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#38-672 2 In Stock**
[Other Coating Options](#)

-

1

+

₹16,271

ADD TO CART

Volume Pricing	
Qty 1-5	₹16,271 each
Qty 6-25	₹13,001 each
Qty 26-49	₹11,911 each
Need More?	Request Quote

Product Downloads

General

Type:
Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):
25.40 +0.00/-0.025

Centering (arcmin):

<1	
6.35 ±0.10	Center Thickness CT (mm):
2.35	Edge Thickness ET (mm):
21.59	Clear Aperture CA (mm):
Protective as needed	Bevel:
Optical Properties	
50.00 @ 355nm	Effective Focal Length EFL (mm):
45.71	Back Focal Length BFL (mm):
Laser V-Coat (355nm)	Coating:
R _{abs} <0.25% @ 355nm	Coating Specification:
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):
1.97	f/#:
0.25	Numerical Aperture NA:
355	Design Wavelength DWL (nm):
7.5 J/cm² @ 355nm, 20ns, 20Hz	Damage Threshold, By Design: □
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 209:
View	Certificate of Conformance:
Singapore	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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

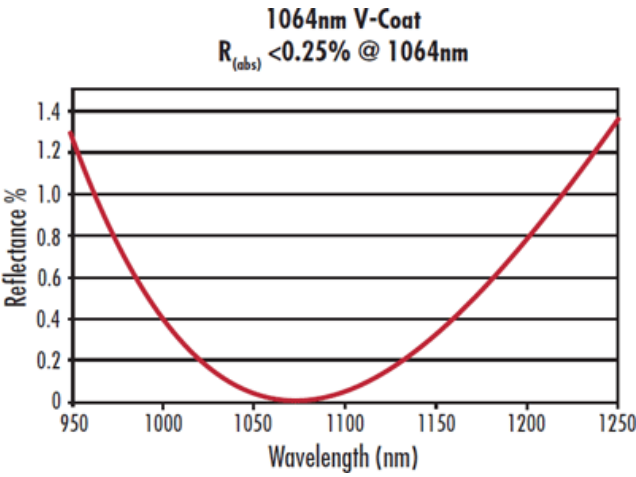
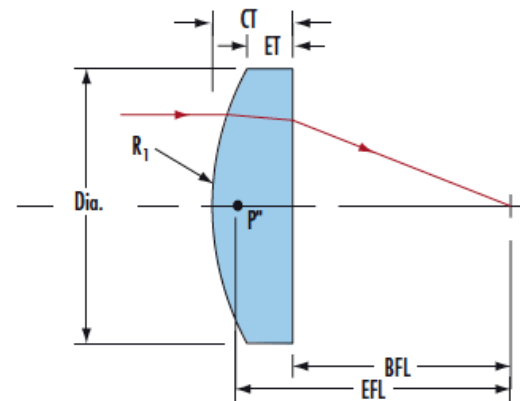
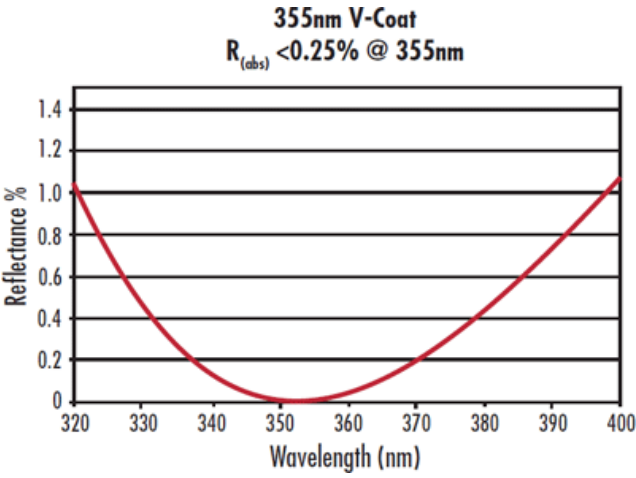
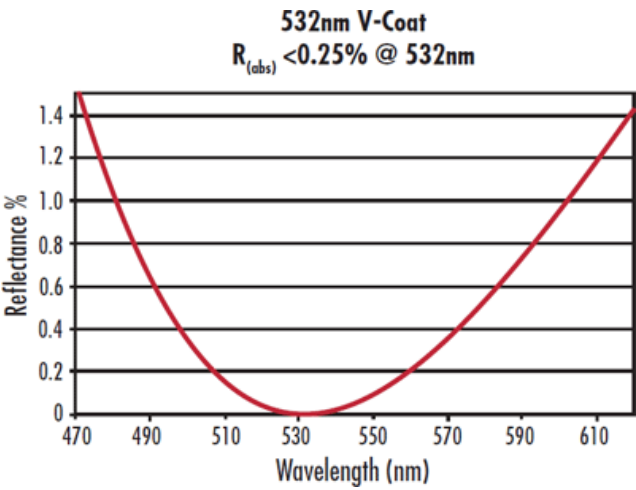
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

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.

Technical Information



Compatible Mounts