

TECHSPEC®

25.4mm Dia. x 500mm FL, 1064nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#38-731**

CONTACT US

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):

<3	
4.00 ±0.10	Center Thickness CT (mm):
3.63	Edge Thickness ET (mm):
21.59	Clear Aperture CA (mm):
Protective as needed	Bevel:
Optical Properties	
500.00 @ 355nm	Effective Focal Length EFL (mm):
497.44	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:
λ/10	Irregularity (P-V) @ 632.8nm:
±1	Focal Length Tolerance (%):
238.04	Radius R ₁ (mm):
19.69	f/#:
0.03	Numerical Aperture NA:
1064	Design Wavelength DWL (nm):
15 J/cm² @ 1064nm, 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:

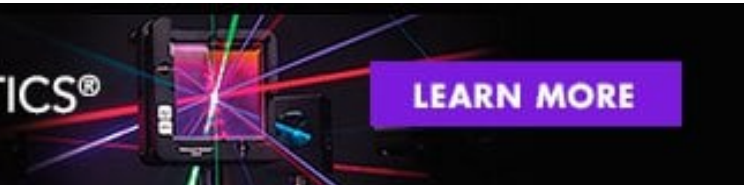
- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

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

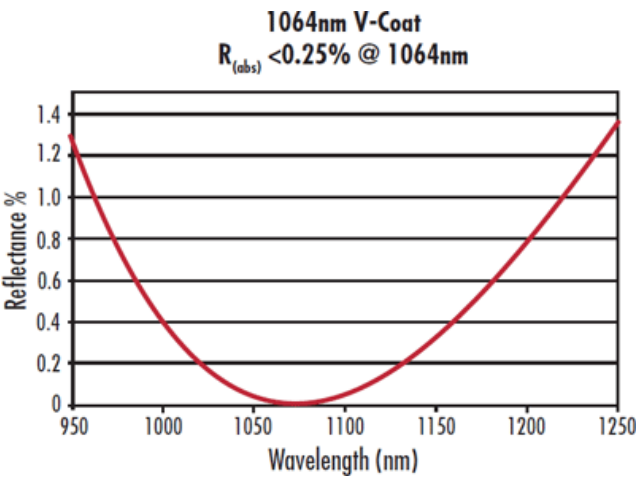
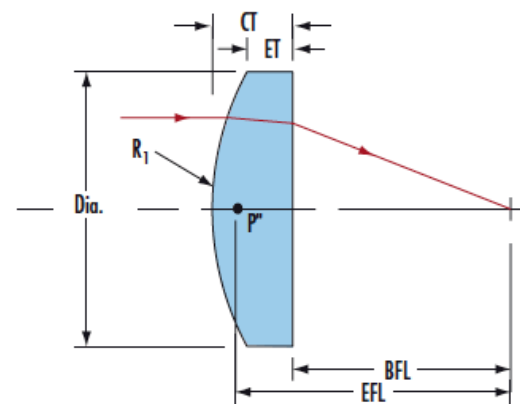
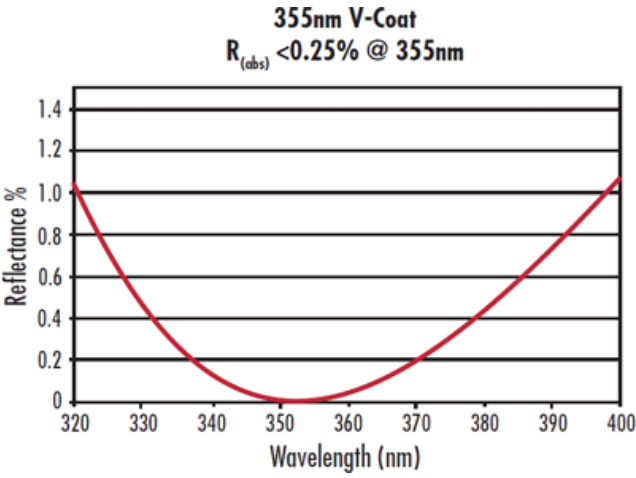
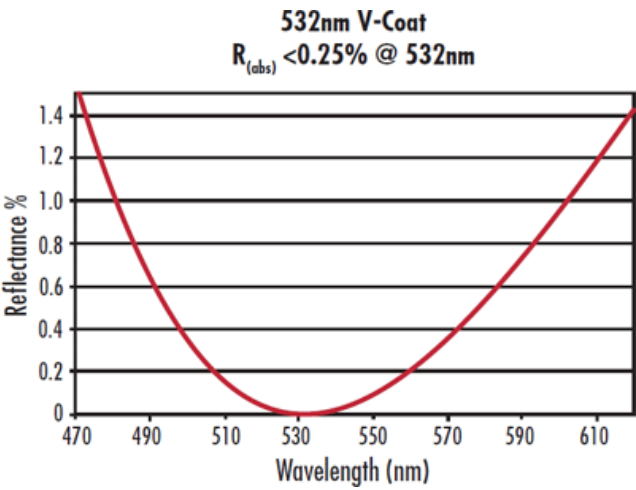
Product Details

- 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