TECHSPEC® 5mm Dia. x 10mm FL 1550nm V-Coat, UV PCX Lens

Stock **#34-152** **1 In Stock**

Other Coating Options

- 1 + S$206.10

ADD TO CART

Volume Pricing	
Qty 1-5	**S$206.10** each
Qty 6-25	**S$164.29** each
Qty 26-49	**S$155.32** each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):
5.00 +0.0/-0.025

Centering (arcmin):
≤1

Center Thickness CT (mm):
2.00 ±0.05

Edge Thickness ET (mm):
2.00

Clear Aperture CA (mm):
4.50

Bevel:
Protective as needed

Edges:
Fine Ground, Protective Bevel as Needed

Optical Properties

Effective Focal Length EFL (mm):
10.00 @ 587.6nm

Back Focal Length BFL (mm):
8.63

Coating:
Laser V-Coat (1550nm)

Coating Specification:
R_{abs} <0.25% @ 1550nm

Substrate:
Fused Silica (Corning 7980)

Surface Quality:
40-20

Power (P-V) @ 632.8nm:
1.5λ

Irregularity (P-V) @ 632.8nm:
λ/4

Focal Length Tolerance (%):
±1

Radius R_1 (mm):
4.58

f/#:
2.00

Numerical Aperture NA:
0.25

Design Wavelength DWL (nm):
587.6

Damage Threshold, By Design:
5 J/cm^2 @ 1550nm, 10ns

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 235:
Compliant

PRODUCT DETAILS

- <0.25% Reflection at 1550nm
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- **405nm**, **532nm**, **633nm**, and **1064nm** V-Coated Options Offered

TECHSPEC® Laser Line Coated Fused Silica PCX Lenses are available in a variety of laser line V-Coat AR coating options. Designed for maximum throughput at the specified laser wavelength, these lenses are ideal for applications utilizing low power HeNe, Diode, and Nd:YAG laser sources. With a maximum reflection of <0.25% per surface at the design wavelength, the lenses will provide superior transmission in applications utilizing multiple optical components.

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