

TECHSPEC® 50mm Dia. x 100mm FL 785nm V-Coat, UV PCX Lens



Stock **#25-922** **4 In Stock**

⊖ 1 ⊕ C\$476.⁰⁰

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | C\$476.00 each |
| Qty 6-25 | C\$380.80 each |
| Qty 26-49 | C\$357.00 each |
| Need More? | Request Quote |

Product Downloads

General

Plano-Convex Lens **Type:**

Physical & Mechanical Properties

50.00 +0.0/-0.025 **Diameter (mm):**

Protective as needed **Bevel:**

Center Thickness CT (mm):
9.00

Centering (arcmin):
<1

Clear Aperture CA (mm):
49

Edge Thickness ET (mm):
1.58

Optical Properties

Effective Focal Length EFL (mm):
100.00 @ 587.6nm

Substrate:
[Fused Silica](#)

f#:
2

Numerical Aperture NA:
0.25

Coating:
785nm V-Coat

Back Focal Length BFL (mm):
93.84

Coating Specification:
R_{abs} <0.25% @ 785nm

Design Wavelength DWL (nm):
785

Focal Length Tolerance (%):
±1

Radius R₁ (mm):
45.85

Surface Quality:
40-20

Power (P-V) @ 632.8nm:
1.5λ

Irregularity (P-V) @ 632.8nm:
λ/4

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 235:
[Compliant](#)

Product Details

- <0.25% Reflection at 785nm
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- [405nm](#), [532nm](#), [1064nm](#), and [1550nm](#) V-Coated Options Offered

TECHSPEC® Laser Line Coated Fused Silica PCXLenses 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.