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**TECHSPEC® 50mm Dia. x 150mm FL 785nm V-Coat, UV PCX Lens**



Stock **#25-923** **4 In Stock**

⊖ 1 ⊕ C\$467.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	C\$467.60 each
Qty 6-25	C\$373.80 each
Qty 26-49	C\$351.40 each
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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):  
7.00

Centering (arcmin):  
<1

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Clear Aperture CA (mm):  
49

Edge Thickness ET (mm):  
2.29

## Optical Properties

Effective Focal Length EFL (mm):  
150.00 @ 587.6nm

Substrate:   
[Fused Silica](#)

f#:  
3

Numerical Aperture NA:  
0.17

Coating:  
785nm V-Coat

Back Focal Length BFL (mm):  
145.20

Coating Specification:  
R<sub>abs</sub> <0.25% @ 785nm

Design Wavelength DWL (nm):  
785

Focal Length Tolerance (%):  
±1

Radius R<sub>1</sub> (mm):  
68.77

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.