

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



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

⊖ 1 ⊕ €334.⁰⁰

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | €334,00 each |
| Qty 6-25 | €267,00 each |
| Qty 26-49 | €251,00 each |
| Need More? | Request Quote |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Plano-Convex Lens **Type:**

Physical & Mechanical Properties

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

Protective as needed **Bevel:**

| | |
|------|---------------------------|
| 7.00 | Center Thickness CT (mm): |
| <1 | Centering (arcmin): |
| 49 | Clear Aperture CA (mm): |
| 2.29 | Edge Thickness ET (mm): |

Optical Properties

| | |
|-----------------------------------|-------------------------------------|
| 150.00 @ 587.6nm | Effective Focal Length EFL (mm): |
| Fused Silica | Substrate: <input type="checkbox"/> |
| 3 | f#: |
| 0.17 | Numerical Aperture NA: |
| 785nm V-Coat | Coating: |
| 145.20 | Back Focal Length BFL (mm): |
| $R_{\text{abs}} < 0.25\%$ @ 785nm | Coating Specification: |
| 785 | Design Wavelength DWL (nm): |
| ± 1 | Focal Length Tolerance (%): |
| 68.77 | Radius R_1 (mm): |
| 40-20 | Surface Quality: |
| 1.5 λ | Power (P-V) @ 632.8nm: |
| $\lambda/4$ | Irregularity (P-V) @ 632.8nm: |

Regulatory Compliance

| | |
|---------------------------|-----------------------------|
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | Reach 235: |

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 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.