

TECHSPEC<sup>®</sup> 50mm Dia. x 100mm FL 633nm V-Coat, UV PCX Lens



Stock **#34-125** 4 In Stock

☐ [Other Coating Options](#)

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+

A\$544<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | A\$544.00 each                |
| Qty 6-25       | A\$435.20 each                |
| Qty 26-49      | A\$408.00 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:  
Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):  
50.00 +0.0/-0.025

|                                         |                           |
|-----------------------------------------|---------------------------|
| ≤1                                      | Centering (arcmin):       |
| 9.00 ±0.10                              | Center Thickness CT (mm): |
| 1.58                                    | Edge Thickness ET (mm):   |
| 49                                      | Clear Aperture CA (mm):   |
| Protective as needed                    | Bevel:                    |
| Fine Ground, Protective Bevel as Needed | Edges:                    |

|                                 |                                  |
|---------------------------------|----------------------------------|
| Optical Properties              |                                  |
| 100.00 @587.6nm                 | Effective Focal Length EFL (mm): |
| 93.84                           | Back Focal Length BFL (mm):      |
| Laser V-Coat (633nm)            | Coating:                         |
| R <sub>abs</sub> <0.25% @ 633nm | Coating Specification:           |
| Fused Silica (Corning 7980)     | Substrate: □                     |
| 40-20                           | Surface Quality:                 |
| 1.5λ                            | Power (P-V) @ 632.8nm:           |
| λ/4                             | Irregularity (P-V) @ 632.8nm:    |
| ±1                              | Focal Length Tolerance (%):      |
| 45.85                           | Radius R <sub>1</sub> (mm):      |
| 2.00                            | f##:                             |
| 0.25                            | Numerical Aperture NA:           |
| 633                             | Design Wavelength DWL (nm):      |
| 5 J/cm² @ 633nm, 10ns           | Damage Threshold, By Design: □   |

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

## Product Details

- <0.25% Reflection at 633nm for HeNe Applications
- 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.></0.25%>

## 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

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