

TECHSPEC<sup>®</sup> 50mm Dia. x 75mm FL 1550nm V-Coat, UV PCX Lens



Stock **#34-170** **2 In Stock**

☐ [Other Coating Options](#)

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1

+

S\$476<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$476.00 each                |
| Qty 6-25       | S\$380.80 each                |
| Qty 26-49      | S\$357.00 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):       |
| 12.50 ±0.10                             | Center Thickness CT (mm): |
| 1.72                                    | Edge Thickness ET (mm):   |
| 49.00                                   | Clear Aperture CA (mm):   |
| Protective as needed                    | Bevel:                    |
| Fine Ground, Protective Bevel as Needed | Edges:                    |

|                                             |                                                       |
|---------------------------------------------|-------------------------------------------------------|
| Optical Properties                          |                                                       |
| 75.00 @ 587.6nm                             | Effective Focal Length EFL (mm):                      |
| 66.43                                       | Back Focal Length BFL (mm):                           |
| Laser V-Coat (1550nm)                       | Coating:                                              |
| R <sub>abs</sub> <0.25% @ 1550nm            | Coating Specification:                                |
| <a href="#">Fused Silica</a> (Corning 7980) | Substrate: <input type="checkbox"/>                   |
| 40-20                                       | Surface Quality:                                      |
| 1.5λ                                        | Power (P-V) @ 632.8nm:                                |
| λ/4                                         | Irregularity (P-V) @ 632.8nm:                         |
| ±1                                          | Focal Length Tolerance (%):                           |
| 34.39                                       | Radius R <sub>1</sub> (mm):                           |
| 1.50                                        | f##:                                                  |
| 0.33                                        | Numerical Aperture NA:                                |
| 587.6                                       | Design Wavelength DWL (nm):                           |
| 5 J/cm <sup>2</sup> @ 1550nm, 10ns          | Damage Threshold, By Design: <input type="checkbox"/> |

|                           |                             |
|---------------------------|-----------------------------|
| Regulatory Compliance     |                             |
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">View</a>      | Certificate of Conformance: |
| <a href="#">Compliant</a> | Reach 235:                  |

## 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 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.

## 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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