

TECHSPEC<sup>®</sup> 5mm Dia. x 10mm FL 532nm V-Coat, UV PCX Lens



Stock **#34-083** [CONTACT US](#)

☐ [Other Coating Options](#)

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+

C\$208<sup>.66</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$208.66 each                |
| Qty 6-25       | C\$166.32 each                |
| Qty 26-49      | C\$157.25 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Type:

|                                         |                                                       |
|-----------------------------------------|-------------------------------------------------------|
| Plano-Convex Lens                       |                                                       |
| Physical & Mechanical Properties        |                                                       |
| 5.00 +0.0/-0.025                        | Diameter (mm):                                        |
| ≤1                                      | Centering (arcmin):                                   |
| 2.00 ±0.05                              | Center Thickness CT (mm):                             |
| 2.00                                    | Edge Thickness ET (mm):                               |
| 4.5                                     | Clear Aperture CA (mm):                               |
| Protective as needed                    | Bevel:                                                |
| Fine Ground, Protective Bevel as Needed | Edges:                                                |
| Optical Properties                      |                                                       |
| 10.00 @ 587.6nm                         | Effective Focal Length EFL (mm):                      |
| 8.63                                    | Back Focal Length BFL (mm):                           |
| Laser V-Coat (532nm)                    | Coating:                                              |
| R <sub>abs</sub> <0.25% @ 532nm         | Coating Specification:                                |
| Fused Silica (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 (%):                           |
| 4.58                                    | Radius R <sub>1</sub> (mm):                           |
| 2.00                                    | f/#:                                                  |
| 0.25                                    | Numerical Aperture NA:                                |
| 532                                     | Design Wavelength DWL (nm):                           |
| 5 J/cm <sup>2</sup> @ 532nm, 10ns       | Damage Threshold, By Design: <input type="checkbox"/> |
| Regulatory Compliance                   |                                                       |
| Compliant                               | RoHS 2015:                                            |
| View                                    | Certificate of Conformance:                           |
| Compliant                               | Reach 235:                                            |

## PRODUCT DETAILS

- <0.25% Reflection at 532nm for 2nd Harmonic Nd:YAG Applications
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- 405nm, 633nm, 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.></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

