

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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+

A\$241<sup>.60</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | A\$241.60 each                |
| Qty 6-25       | A\$192.00 each                |
| Qty 26-49      | A\$182.40 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:  
Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):  
5.00 +0.0/-0.025

|                                         |                           |
|-----------------------------------------|---------------------------|
| ≤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:           |
| <a href="#">Fused Silica</a> (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 (%):      |
| 4.58                                        | Radius R <sub>1</sub> (mm):      |
| 2.00                                        | f##:                             |
| 0.25                                        | Numerical Aperture NA:           |
| 532                                         | Design Wavelength DWL (nm):      |
| 5 J/cm² @ 532nm, 10ns                       | Damage Threshold, By Design: □   |

|                           |                             |
|---------------------------|-----------------------------|
| 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 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 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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