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TECHSPEC<sup>®</sup> 6.0mm Diameter x 60.0mm FL, 405nm V-Coat, PCX Lens



633nm Laser Line Coated Plano-Convex(PCX) Lenses



Stock **#69-320 6 In Stock**

☐ [Other Coating Options](#)

-

1

+

S\$69<sup>30</sup>

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| Volume Pricing |                               |
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| Qty 1-9        | <b>S\$69.30</b> each          |
| Qty 10-25      | <b>S\$62.30</b> each          |
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Product Downloads

SPECIFICATIONS

General

Plano-Convex Lens

Type:

Physical & Mechanical Properties

|                      |                           |
|----------------------|---------------------------|
| 6.00 +0.0/-0.025     | Diameter (mm):            |
| <1                   | Centering (arcmin):       |
| 1.60 ±0.05           | Center Thickness CT (mm): |
| 1.45                 | Edge Thickness ET (mm):   |
| 5.4                  | Clear Aperture CA (mm):   |
| Protective as needed | Bevel:                    |

Optical Properties

|                                   |                                                   |
|-----------------------------------|---------------------------------------------------|
| 60.00 @ 587.6nm                   | Effective Focal Length EFL (mm):                  |
| 58.95                             | Back Focal Length BFL (mm):                       |
| Laser V-Coat (405nm)              | Coating:                                          |
| R <sub>abs</sub> <0.25% @ 405nm   | Coating Specification:                            |
| N-BK7                             | Substrate: <input type="text"/>                   |
| 40-20                             | Surface Quality:                                  |
| 1.5λ                              | Power (P-V) @ 632.8nm:                            |
| λ/4                               | Irregularity (P-V) @ 632.8nm:                     |
| ±1                                | Focal Length Tolerance (%):                       |
| 31.01                             | Radius R <sub>1</sub> (mm):                       |
| 10.00                             | f/#:                                              |
| 0.05                              | Numerical Aperture NA:                            |
| 405                               | Design Wavelength DWL (nm):                       |
| 3 J/cm <sup>2</sup> @ 405nm, 10ns | Damage Threshold, By Design: <input type="text"/> |

Regulatory Compliance

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

PRODUCT DETAILS

• <0.25% Reflection at 405nm for Diode Applications

• BBAR Coating Options Also Available: [uncoated](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#)

• 405nm, [532nm](#), [633nm](#), [785nm](#), [980nm](#), [1064nm](#), and [1550nm](#) V-Coated Options Offered

TECHSPEC® 405nm Laser Line Coated Plano-Convex (PCX) Lenses are designed for maximum throughput at the specified laser wavelength. These lenses are ideal for collecting and focusing light from laser sources and their corresponding harmonics. 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. TECHSPEC® 405nm Laser Line Coated Plano-Convex (PCX) Lenses are available Laser V-Coated in a range of other wavelengths: [532nm](#), [633nm](#), [785nm](#), [980nm](#), [1064nm](#), and [1550nm](#). Other coating options are available, including [uncoated](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), and [NIR II](#).

LASER OPTICS

MADE BY EDMUND OPTICS®



TECHNICAL INFORMATION



## 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