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TECHSPEC<sup>®</sup> 6.0mm Diameter x 6.0mm FL, 1550nm V-Coat, PCX Lens



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



Stock #84-205 1 In Stock

☐ Other Coating Options

-1+

€51<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | €51,00 each                   |
| Qty 10-25      | €46,00 each                   |
| Qty 26-49      | €40,75 each                   |
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:  
Plano-Convex Lens

Physical & Mechanical Properties

|                      |                           |
|----------------------|---------------------------|
| 6.00 +0.0/-0.025     | Diameter (mm):            |
| <3                   | Centering (arcmin):       |
| 2.50 ±0.05           | Center Thickness CT (mm): |
| 1.42                 | Edge Thickness ET (mm):   |
| 5.4                  | Clear Aperture CA (mm):   |
| Protective as needed | Bevel:                    |

|                                    |                                  |
|------------------------------------|----------------------------------|
| Optical Properties                 |                                  |
| 6.00 @ 587.6nm                     | Effective Focal Length EFL (mm): |
| 4.6                                | Back Focal Length BFL (mm):      |
| Laser V-Coat (1550nm)              | Coating:                         |
| R <sub>abs</sub> <0.25% @ 1550nm   | Coating Specification:           |
| N-SF11                             | Substrate: □                     |
| 40-20                              | Surface Quality:                 |
| 1.5λ                               | Power (P-V) @ 632.8nm:           |
| λ/4                                | Irregularity (P-V) @ 632.8nm:    |
| ±1                                 | Focal Length Tolerance (%):      |
| 4.71                               | Radius R <sub>1</sub> (mm):      |
| 1.00                               | f/#:                             |
| 0.50                               | Numerical Aperture NA:           |
| 1550                               | Design Wavelength DWL (nm):      |
| 5 J/cm <sup>2</sup> @ 1550nm, 10ns | Damage Threshold, By Design: □   |

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

Product Details

• <0.25% Reflection at Design Wavelength  
• Coatings Available for Diode, HeNe, and Nd:YAG Laser Sources  
• 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

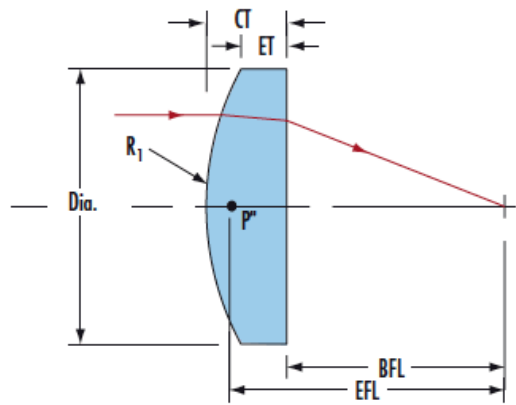
TECHSPEC® 1550nm Laser Line Coated Plano-Convex (PCX) Lenses are designed for maximum throughput at the specified laser wavelength. These lenses are ideal for collecting and focusing light from laser sources and their corresponding harmonics. With a maximum reflection of <0.25% per surface at the design wavelength, the lenses will provide superior transmission in applications utilizing multiple optical components. TECHSPEC® 1550nm Laser Line Coated Plano-Convex (PCX) Lenses are available Laser V-Coated in a range of other wavelengths: [405nm](#), [532nm](#), [633nm](#), [785nm](#), [980nm](#), and [1064nm](#). Other coating options are available, including [uncoated](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), and [NIR II](#).

LASER OPTICS

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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

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