

[See all 102 Products in Family](#)

TECHSPEC<sup>®</sup> 12.0mm Diameter x 84.0mm FL, 532nm V-Coat, PCX Lens



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



Stock **#69-393** [CONTACT US](#)

[Other Coating Options](#)

-

1

+

£42<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | £42.40 each                   |
| Qty 10-25      | £38.20 each                   |
| Qty 26-49      | £33.80 each                   |
| Need More?     | <a href="#">Request Quote</a> |

**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Plano-Convex Lens

Type:

Physical & Mechanical Properties

|                      |                           |
|----------------------|---------------------------|
| 12.00 +0.0/-0.025    | Diameter (mm):            |
| <1                   | Centering (arcmin):       |
| 2.50 ±0.05           | Center Thickness CT (mm): |
| 2.08                 | Edge Thickness ET (mm):   |
| 11                   | Clear Aperture CA (mm):   |
| Protective as needed | Bevel:                    |

|                                 |                                                       |
|---------------------------------|-------------------------------------------------------|
| Optical Properties              |                                                       |
| 84.00 @ 587.6nm                 | Effective Focal Length EFL (mm):                      |
| 82.39                           | Back Focal Length BFL (mm):                           |
| Laser V-Coat (532nm)            | Coating:                                              |
| R <sub>abs</sub> <0.25% @ 532nm | Coating Specification:                                |
| N-BK7                           | 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 (%):                           |
| 43.43                           | Radius R <sub>1</sub> (mm):                           |
| 7.00                            | f/#:                                                  |
| 0.07                            | Numerical Aperture NA:                                |
| 532                             | Design Wavelength DWL (nm):                           |
| 5 J/cm² @ 532nm, 10ns           | Damage Threshold, By Design: <input type="checkbox"/> |

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

## 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

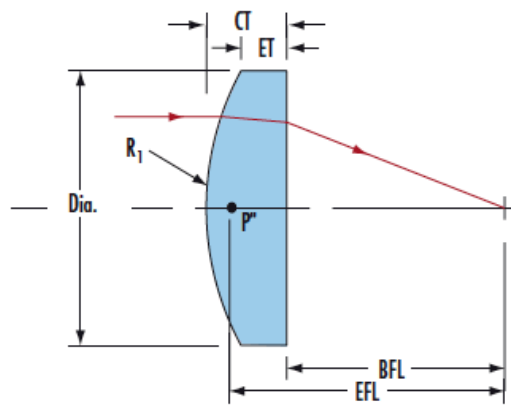
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

- <0.25% Reflection at 532nm for 2nd Harmonic Nd:YAG 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® 532nm 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® 532nm Laser Line Coated Plano-Convex (PCX) Lenses are available Laser V-Coated in a range of other wavelengths: [405nm](#), [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](#).

## Technical Information



## Compatible Mounts