

TECHSPEC<sup>®</sup> 12.0mm Diameter x 12.0mm FL, 980nm V-Coat, PCX Lens



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

Stock **#69-549** **16 In Stock**  
[Other Coating Options](#)

-

1

+

€52<sup>50</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | €52,50 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): |

|                      |                           |
|----------------------|---------------------------|
| 4.00 ±0.05           | Center Thickness CT (mm): |
| 1.84                 | Edge Thickness ET (mm):   |
| 11                   | Clear Aperture CA (mm):   |
| Protective as needed | Bevel:                    |

Optical Properties

|                                   |                                                       |
|-----------------------------------|-------------------------------------------------------|
| 12.00 @ 587.6nm                   | Effective Focal Length EFL (mm):                      |
| 9.76                              | Back Focal Length BFL (mm):                           |
| Laser V-Coat (980nm)              | Coating:                                              |
| R <sub>abs</sub> <0.25% @ 980nm   | Coating Specification:                                |
| N-SF11                            | 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 (%):                           |
| 9.42                              | Radius R <sub>1</sub> (mm):                           |
| 1.00                              | f/#:                                                  |
| 0.50                              | Numerical Aperture NA:                                |
| 980                               | Design Wavelength DWL (nm):                           |
| 5 J/cm <sup>2</sup> @ 980nm, 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 980nm
- BBAR Coating Options Also Available: [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#)
- [405nm](#), [532nm](#), [633nm](#), [785nm](#), 980nm, [1064nm](#), and [1550nm](#) V-Coated Options Offered

Our standard TECHSPEC® Plano-Convex 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.>



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