

TECHSPEC<sup>®</sup> 6mm Dia. x 12mm FL 1550nm V-Coat, UV PCX Lens



Stock **#25-887** **9 In Stock**

☐ [Other Coating Options](#)

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+

£119<sup>94</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £119.94 each                  |
| Qty 6-25       | £96.31 each                   |
| Qty 26-49      | £90.18 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

|                                         |                                  |
|-----------------------------------------|----------------------------------|
| Plano-Convex Lens                       | Type:                            |
| Physical & Mechanical Properties        |                                  |
| 6.00 +0.0/-0.025                        | Diameter (mm):                   |
| ≤1                                      | Centering (arcmin):              |
| 2.00 ±0.05                              | Center Thickness CT (mm):        |
| 1.11                                    | Edge Thickness ET (mm):          |
| 5.40                                    | Clear Aperture CA (mm):          |
| Protective as needed                    | Bevel:                           |
| Fine Ground, Protective Bevel as Needed | Edges:                           |
| Optical Properties                      |                                  |
| 12.00 @ 587.6nm                         | Effective Focal Length EFL (mm): |
| 10.63                                   | Back Focal Length BFL (mm):      |
| Laser V-Coat (1550nm)                   | Coating:                         |
| R <sub>abs</sub> <0.25% @ 1550nm        | Coating Specification:           |
| Fused Silica (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 (%):      |
| 5.50                                    | Radius R <sub>1</sub> (mm):      |
| 2.00                                    | f/#:                             |
| 0.25                                    | Numerical Aperture NA:           |
| 587.6                                   | 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 1550nm
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- 405nm, 532nm, 633nm, and 1064nm V-Coated Options Offered

TECHSPEC® Laser Line Coated Fused Silica PCX 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.

## 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](#).

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