

TECHSPEC<sup>®</sup> 6mm Dia. x 24mm FL 1550nm V-Coat, UV PCX Lens



Stock **#25-889** **5 In Stock**

☐ [Other Coating Options](#)

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1

+

S\$197<sup>14</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | <b>S\$197.14</b> each         |
| Qty 6-25       | <b>S\$158.31</b> each         |
| Qty 26-49      | <b>S\$147.86</b> each         |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Type:

|                                                                                                                  |                     |
|------------------------------------------------------------------------------------------------------------------|---------------------|
| Plano-Convex Lens                                                                                                |                     |
| Physical & Mechanical Properties                                                                                 |                     |
| 6.00 +0.0/-0.025                                                                                                 | Diameter (mm):      |
|                                                                                                                  |                     |
| ≤1                                                                                                               | Centering (arcmin): |
|                                                                                                                  |                     |
| Center Thickness CT (mm):                                                                                        |                     |
| 2.00 ±0.05                                                                                                       |                     |
| Edge Thickness ET (mm):                                                                                          |                     |
| 1.58                                                                                                             |                     |
| Clear Aperture CA (mm):                                                                                          |                     |
| 5.40                                                                                                             |                     |
| Bevel:                                                                                                           |                     |
| Protective as needed                                                                                             |                     |
| Edges:                                                                                                           |                     |
| Fine Ground, Protective Bevel as Needed                                                                          |                     |
| Optical Properties                                                                                               |                     |
| Effective Focal Length EFL (mm):                                                                                 |                     |
| 24.00 @ 587.6nm                                                                                                  |                     |
| Back Focal Length BFL (mm):                                                                                      |                     |
| 22.63                                                                                                            |                     |
| Coating:                                                                                                         |                     |
| Laser V-Coat (1550nm)                                                                                            |                     |
| Coating Specification:                                                                                           |                     |
| R <sub>abs</sub> <0.25% @ 1550nm                                                                                 |                     |
| Substrate:                    |                     |
| <a href="#">Fused Silica</a> (Corning 7980)                                                                      |                     |
| Surface Quality:                                                                                                 |                     |
| 40-20                                                                                                            |                     |
| Power (P-V) @ 632.8nm:                                                                                           |                     |
| 1.5λ                                                                                                             |                     |
| Irregularity (P-V) @ 632.8nm:                                                                                    |                     |
| λ/4                                                                                                              |                     |
| Focal Length Tolerance (%):                                                                                      |                     |
| ±1                                                                                                               |                     |
| Radius R <sub>1</sub> (mm):                                                                                      |                     |
| 11.00                                                                                                            |                     |
| f/#:                                                                                                             |                     |
| 4.00                                                                                                             |                     |
| Numerical Aperture NA:                                                                                           |                     |
| 0.13                                                                                                             |                     |
| Design Wavelength DWL (nm):                                                                                      |                     |
| 587.6                                                                                                            |                     |
| Damage Threshold, By Design:  |                     |
| 5 J/cm <sup>2</sup> @ 1550nm, 10ns                                                                               |                     |
| Regulatory Compliance                                                                                            |                     |
| RoHS 2015:                                                                                                       |                     |
| <a href="#">Compliant</a>                                                                                        |                     |
| Certificate of Conformance:                                                                                      |                     |
| <a href="#">View</a>                                                                                             |                     |
| Reach 235:                                                                                                       |                     |
| <a href="#">Compliant</a>                                                                                        |                     |

## 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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