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**TECHSPEC® 12mm Dia. x 25mm FL 1550nm V-Coat, UV PCX Lens**



Stock **#34-157** **20+ In Stock**

[Other Coating Options](#)

1  **A\$256<sup>00</sup>**

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Volume Pricing	
Qty 1-5	<b>A\$256.00</b> each
Qty 6-25	<b>A\$204.80</b> each
Qty 26-49	<b>A\$193.60</b> each
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**General**

Plano-Convex Lens **Type:**

**Physical & Mechanical Properties**

12.00 +0.0/-0.025 **Diameter (mm):**

≤1	<b>Centering (arcmin):</b>
3.92 ±0.05	<b>Center Thickness CT (mm):</b>
2.22	<b>Edge Thickness ET (mm):</b>
11.00	<b>Clear Aperture CA (mm):</b>
Protective as needed	<b>Bevel:</b>
Fine Ground, Protective Bevel as Needed	<b>Edges:</b>
<b>Optical Properties</b>	
25.00 @ 587.6nm	<b>Effective Focal Length EFL (mm):</b>
22.31	<b>Back Focal Length BFL (mm):</b>
Laser V-Coat (1550nm)	<b>Coating:</b>
R <sub>abs</sub> <0.25% @ 1550nm	<b>Coating Specification:</b>
<b>Fused Silica</b> (Coming 7980)	<b>Substrate:</b> <input type="checkbox"/>
40-20	<b>Surface Quality:</b>
1.5λ	<b>Power (P-V) @ 632.8nm:</b>
λ/4	<b>Irregularity (P-V) @ 632.8nm:</b>
±1	<b>Focal Length Tolerance (%):</b>
11.46	<b>Radius R<sub>1</sub> (mm):</b>
2.08	<b>f#:</b>
0.24	<b>Numerical Aperture NA:</b>
587.6	<b>Design Wavelength DWL (nm):</b>
5 J/cm <sup>2</sup> @ 1550nm, 10ns	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>

<b>Regulatory Compliance</b>	
<b>Compliant</b>	<b>RoHS 2015:</b>
<b>View</b>	<b>Certificate of Conformance:</b>
<b>Compliant</b>	<b>Reach 235:</b>

## 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 PCXLenses 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](#).

## Compatible Mounts

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