

TECHSPEC[®] 25mm Dia. x 100mm FL 633nm V-Coat, UV PCX Lens



Stock **#34-120** **5 In Stock**

☐ [Other Coating Options](#)

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1

+

₹12,456

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Volume Pricing	
Qty 1-5	₹12,456 each
Qty 6-25	₹9,965 each
Qty 26-49	₹9,342 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Type:

Plano-Convex Lens	
Physical & Mechanical Properties	
Diameter (mm):	25.00 +0.0/-0.025
Centering (arcmin):	≤1
Center Thickness CT (mm):	3.79 ±0.10
Edge Thickness ET (mm):	2.05
Clear Aperture CA (mm):	24
Bevel:	Protective as needed
Edges:	Fine Ground, Protective Bevel as Needed
Optical Properties	
Effective Focal Length EFL (mm):	100.00 @ 587.6nm
Back Focal Length BFL (mm):	97.40
Coating:	Laser V-Coat (633nm)
Coating Specification:	R _{abs} <0.25% @ 633nm
Substrate: ☐	Fused Silica (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 ₁ (mm):	45.85
f/#:	4.00
Numerical Aperture NA:	0.13
Design Wavelength DWL (nm):	633
Damage Threshold, By Design: ☐	5 J/cm ² @ 633nm, 10ns
Regulatory Compliance	
RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 235:	Compliant

PRODUCT DETAILS

- <0.25% Reflection at 633nm for HeNe Applications
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- 405nm, 532nm, 1064nm, and 1550nm 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.></0.25%>

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

