

TECHSPEC[®] 12mm Dia. x 50mm FL 633nm V-Coat, UV PCX Lens



Stock **#34-114** [CONTACT US](#)

☐ [Other Coating Options](#)

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1

+

S\$198⁶⁴

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Volume Pricing	
Qty 1-5	S\$198.64 each
Qty 6-25	S\$158.31 each
Qty 26-49	S\$149.35 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Type:

Plano-Convex Lens	
Physical & Mechanical Properties	
12.00 +0.0/-0.025	Diameter (mm):
≤1	Centering (arcmin):
Center Thickness CT (mm):	
2.90 ±0.05	
Edge Thickness ET (mm):	
2.1	
Clear Aperture CA (mm):	
11	
Bevel:	
Protective as needed	
Edges:	
Fine Ground, Protective Bevel as Needed	
Optical Properties	
Effective Focal Length EFL (mm):	
50.00 @ 587.6nm	
Back Focal Length BFL (mm):	
48.01	
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):	
22.92	
f/#:	
4.17	
Numerical Aperture NA:	
0.12	
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

