

TECHSPEC[®] 25.0mm Diameter x 175.0mm FL, 980nm V-Coat, PCX Lens



633nm Laser Line Coated Plano-Convex (PCX) Lenses

Stock **#69-573** CLEARANCE **1 In Stock**

☐ [Other Coating Options](#)

-

1

+

£18³⁴

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Volume Pricing	
Qty 1+	£18.34 each
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

25.00 +0.0/-0.025	Diameter (mm):
<1	Centering (arcmin):
3.50 ±0.10	Center Thickness CT (mm):
2.63	Edge Thickness ET (mm):
24	Clear Aperture CA (mm):
Protective as needed	Bevel:

Optical Properties

175.00 @ 587.6nm	Effective Focal Length EFL (mm):
172.85	Back Focal Length BFL (mm):
Laser V-Coat (980nm)	Coating:
R _{abs} <0.25% @ 980nm	Coating Specification:
N-BK7	Substrate:
40-20	Surface Quality:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:
±1	Focal Length Tolerance (%):
90.47	Radius R ₁ (mm):
7.00	f/#:
0.07	Numerical Aperture NA:
980	Design Wavelength DWL (nm):
5 J/cm² @ 980nm, 10ns	Damage Threshold, By Design:

Regulatory Compliance

Compliant	Reach 224:
View	Certificate of Conformance:

PRODUCT DETAILS

• <0.25% Reflection at 980nm

• BBAR Coating Options Also Available: [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#)

• [405nm](#), [532nm](#), [633nm](#), [785nm](#), 980nm, [1064nm](#), and [1550nm](#) V-Coated Options Offered

Our standard TECHSPEC® Plano-Convex 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.>

LASER OPTICS

MADE BY EDMUND OPTICS®



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TECHNICAL INFORMATION



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