

TECHSPEC[®] 50.0mm Diameter x 500.0mm FL, 980nm V-Coat, PCX Lens



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

Stock **#69-586** CLEARANCE **4 In Stock**

☐ [Other Coating Options](#)

-

1

+

€27²⁵

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Volume Pricing	
Qty 1+	€27,25 each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Plano-Convex Lens

Type:

Physical & Mechanical Properties

50.00 +0.0/-0.025

Diameter (mm):

<1

Centering (arcmin):

5.00 ±0.10	Center Thickness CT (mm):
3.79	Edge Thickness ET (mm):
49	Clear Aperture CA (mm):
Protective as needed	Bevel:

Optical Properties

500.00 @ 587.6nm	Effective Focal Length EFL (mm):
496.70	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 (%):
258.40	Radius R ₁ (mm):
10.00	f/#:
0.05	Numerical Aperture NA:
980	Design Wavelength DWL (nm):
5 J/cm ² @ 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

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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
