

[See all 10 Products in Family](#)

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

+

₹2,084

ADD TO CART

Volume Pricing	
Qty 1+	₹2,084 each
Need More?	Request Quote

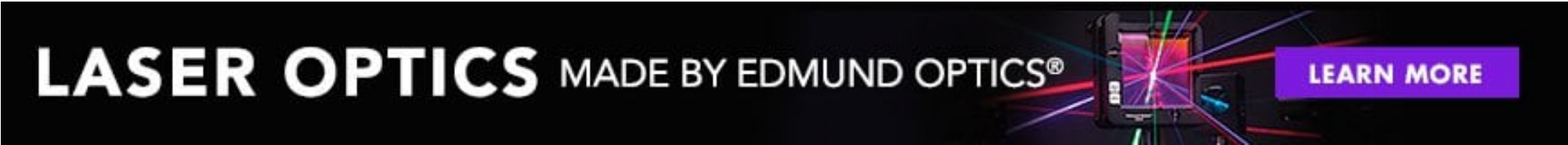
Product Downloads

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):

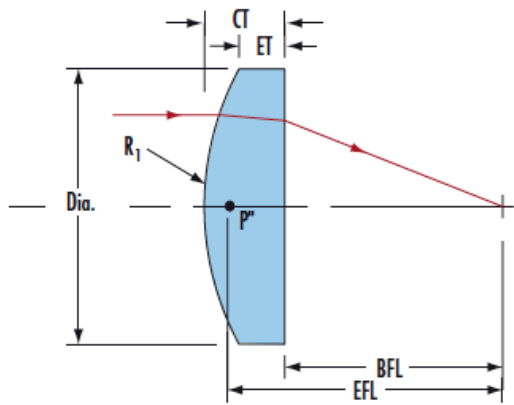
3.79	Edge Thickness ET (mm):
49	Clear Aperture CA (mm):
Protective as needed	Bevel:
Optical Properties	
500.00 @ 587.6nm	Effective Focal Length EFL (mm):
496.70	Back Focal Length BFL (mm):
Laser V-Coat (980nm)	Coating:
R _{abs} <0.25% @ 980nm	Coating Specification:
N-BK7	Substrate: □
40-20	Surface Quality:
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:
Japan	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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.>



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

;