

# TECHSPEC® 9.0mm Diameter x 13.5mm FL, 633nm V-Coat, PCX Lens



Stock #66-261 **20+ In Stock** [Other Coating Options](#)

1 **C\$72<sup>.80</sup>**

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



Volume Pricing	
Qty 1-9	C\$72.80 each
Qty 10-25	C\$65.45 each
Qty 26-49	C\$58.10 each
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Product Downloads	
STEP:stp	Curve:pdf
PDF Drawing:pdf	
ISO 10110 Drawing	
IGES:igs	Zemax:zar
Zemax:zip	Zemax:zmx
eDrawing:eprt	Code V:seq
EO Spec Sheet	<a href="#">Download All</a>

## General

**Type:** Plano-Convex Lens

## Physical & Mechanical Properties

<b>Diameter (mm):</b> 9.00 +0.0/-0.025	<b>Centering (arcmin):</b> <1
<b>Center Thickness CT (mm):</b> 2.60 ±0.05	<b>Edge Thickness ET (mm):</b> 1.41
<b>Clear Aperture CA (mm):</b> 8.1	<b>Bevel:</b> Protective as needed

## Optical Properties

<b>Effective Focal Length EFL (mm):</b> 13.50 @ 587.6nm	<b>Back Focal Length BFL (mm):</b> 11.94
<b>Coating:</b> Laser V-Coat (633nm)	<b>Coating Specification:</b> R <sub>abs</sub> <0.25% @ 633nm
<b>Substrate:</b> <b>N-SF5</b>	<b>Surface Quality:</b> 40-20
<b>Power (P-V) @ 632.8nm:</b> 1.5λ	<b>Irregularity (P-V) @ 632.8nm:</b> λ/4
<b>Focal Length Tolerance (%):</b> ±1	<b>Radius R<sub>1</sub> (mm):</b> 9.09
<b>f/#:</b> 1.5	<b>Numerical Aperture NA:</b> 0.33
<b>Design Wavelength DWL (nm):</b> 633	<b>Damage Threshold, By Design:</b> 5 J/cm <sup>2</sup> @ 633nm, 10ns

## Regulatory Compliance

RoHS 2015: [Compliant](#)

Certificate of Conformance: [View](#)

Reach 235: [Compliant](#)

## Need different specs or modifications?

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](#).

## Product Details

- <0.25% Reflection at 633nm for HeNe Applications
- BBAR Coating Options Also Available: [uncoated](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#)
- [405nm](#), [532nm](#), 633nm, [785nm](#), [980nm](#), [1064nm](#), and [1550nm](#) V-Coated Options Offered

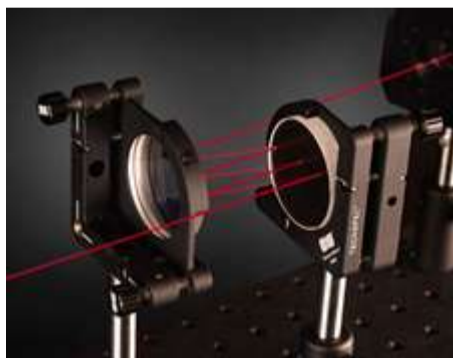
TECHSPEC® 633nm Laser Line Coated Plano-Convex (PCX) Lenses are designed for maximum throughput at the specified laser wavelength. These lenses are ideal for collecting and focusing light from laser sources and their corresponding harmonics. With a maximum reflection of <0.25% per surface at the design wavelength, the lenses will provide superior transmission in applications utilizing multiple optical components. TECHSPEC® 633nm Laser Line Coated Plano-Convex (PCX) Lenses are available Laser V-Coated in a range of other wavelengths: [405nm](#), [532nm](#), [785nm](#), [980nm](#), [1064nm](#), and [1550nm](#). Other coating options are available, including [uncoated](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), and [NIR II](#).

**LASER OPTICS** MADE BY EDMUND OPTICS®

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## Technical Information

## Related Products



Laser Optics



Laser Sources



Arcturus® HeNe Beam Expanders



633nm Laser Line Coated Fused Silica PCX Lenses

## Frequently Purchased Together



#65-494 - 9.0mm Diameter x 9.0mm FL, 633nm V-Coat, PCX Lens  
C\$72.80

Qty



#69-415 - 6.0mm Diameter x 7.5mm FL, 633nm V-Coat, PCX Lens  
C\$70.70

Qty



#69-428 - 10.0mm Diameter x 10.0mm FL, 633nm V-Coat, PCX Lens  
C\$72.80



Qty



#69-429 - 10.0mm Diameter x 15.0mm FL, 633nm V-Coat, PCX Lens  
C\$72.80

Qty

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
 	9.0mm Optic Dia., Optic Mount	Fixed		#64-553	C\$45.85 <a href="#">Request Quote</a>	8 In Stock <input type="text" value="1"/>

Check out our full selection of mounts [here](#).

## Resources

### Media Type

- Application Note
- Technical Tool
- Video
- FAQ
- Trending in Optics
- Glossary
- Scientific Paper
- Published Article

#### APPLICATION NOTE

An Introduction to Optical Coatings

#### TECHNICAL TOOL

Gaussian Beams Calculator

#### VIDEO

Polarization Directed Flat Lenses Product Review

#### ? FAQ

What is the best lens for focusing or collimating th...

#### ↑ TRENDING IN OPTICS

Free-Space Optical Communication

#### APPLICATION NOTE

Common Laser Optics Materials

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