

All Products / Optics / Optical Lens  
/ Fused Silica Plano-Convex (PCX)  
/ 1064nm Laser Line Coated Fused Silica

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**TECHSPEC®**

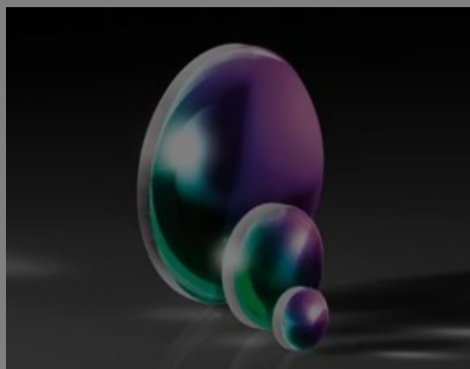
12mm Dia. x 18mm

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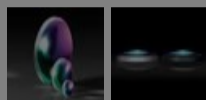
PCX Lens



Stock #34-133 **8 In Stock** [Other Coating Options](#)

1 €160<sup>00</sup>

ADD TO CART



Volume Pricing	
Qty 1-5	€160,00 each
Qty 6-25	€128,00 each
Qty 26-49	€121,00 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:stp
- Curve:pdf
- PDF Drawing:pdf
- ISO 10110 Drawing
- IGES:igs
- Curve (xlsx):xlsx
- Zemax:zar
- Zemax:zmx
- eDrawing:eprt
- Code V:seq
- EO Spec Sheet
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General

Type: Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm): 12.00 +0.0/-0.025

Centering (arcmin): ≤1

Center Thickness CT (mm): 4.00 ±0.05

Edge Thickness ET (mm): 1.41

Clear Aperture CA (mm): 11

Bevel: Protective as needed

Edges: Fine Ground, Protective Bevel as Needed

Optical Properties

Effective Focal Length EFL (mm): 18.00 @ 587.6nm

Back Focal Length BFL (mm): 15.26

Coating: Laser V-Coat (1064nm)

Coating Specification: R<sub>abs</sub> <0.25% @ 1064nm

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<sub>1</sub> (mm): 8.25

<b>f/#:</b> 1.5	<b>Numerical Aperture NA:</b> 0.33
<b>Design Wavelength DWL (nm):</b> 1064	<b>Damage Threshold:</b> 5 J/cm <sup>2</sup> @ 1064nm - 10ns
<div style="border: 1px solid black; padding: 5px; background-color: white;"> <p>Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.</p> <p><b>Select Your Country/Region:</b></p> </div>	
<b>Regulatory Compliance</b>	
<b>RoHS 2015:</b> <b>Compliant</b>	<b>Conformance:</b>
<b>Reach 235:</b> <b>Compliant</b>	

## 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 1064nm for Fiber and Nd:YAG Applications
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- **405nm, 532nm, 633nm,** 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.

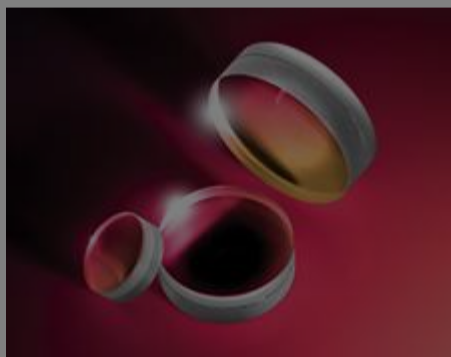
## Related Products



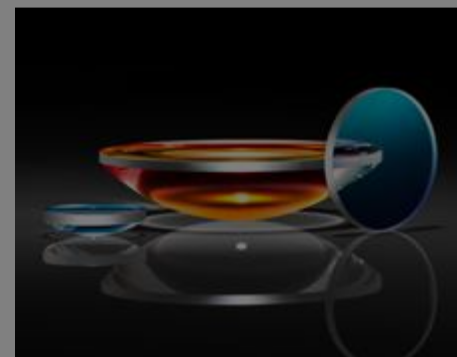
1064nm Laser Line Coated Plano-Convex (PCX) Lenses



Hyperbolic Aspheric Lenses

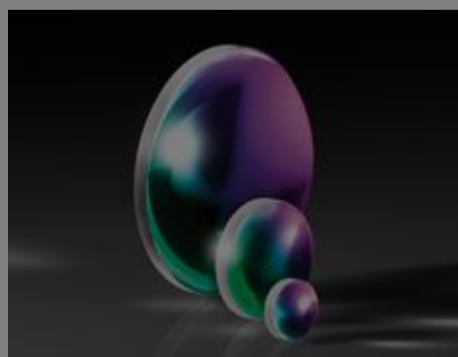


YAG-BBAR Coated Achromatic Lenses

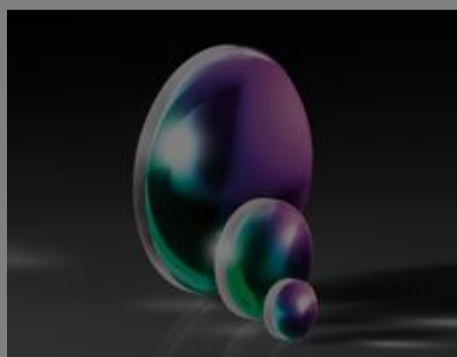


UV Fused Silica Plano-Convex (PCX) Lenses - YAG-BBAR Coated

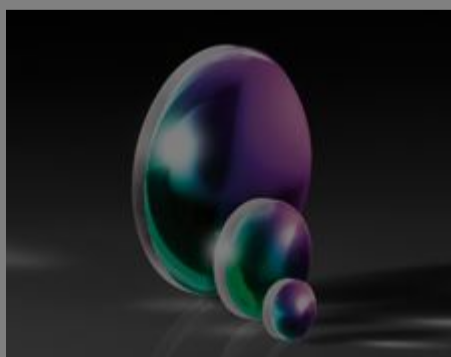
## Frequently Purchased Together



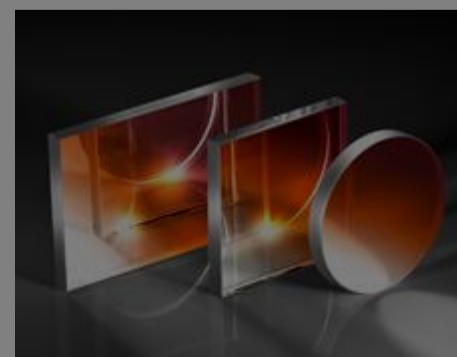
#34-135 - 12mm Dia. x 30mm FL 1064nm V-Coat, Fused Silica PCX Lens  
€154,00



#34-139 - 25mm Dia. x 38mm FL 1064nm V-Coat, Fused Silica PCX Lens  
€181,00



#34-140 - 25mm Dia. x 50mm FL 1064nm V-Coat, Fused Silica PCX Lens  
€181,00



#45-853 - 25mm Dia 50R/50T, NIR Plate Beamsplitter  
€149,00

Qty



Qty 

Qty 

Qty 

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	Title					Buy
 <a href="#">MORE+</a>	12.0mm Optic Dia., Optic Mount	Fixed	#64-555	€32,75 <a href="#">Request Quote</a>	10 In Stock	1 

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

## Resources

### Media Type

Application Note

