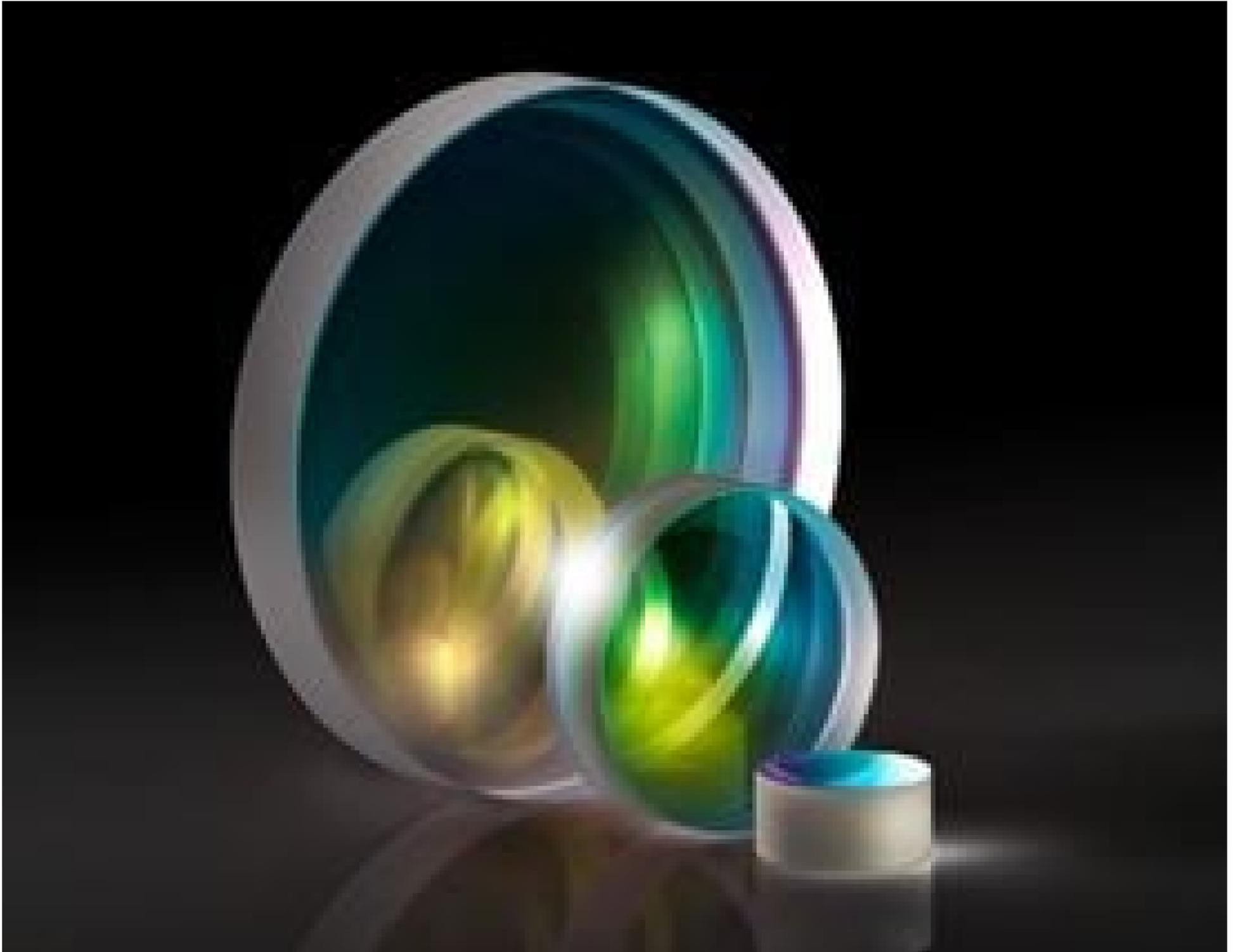


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**TECHSPEC® 9.0mm Dia. x -18 FL, 1064nm V-Coat, UV Plano-Concave Lens**



Stock **#21-030** **5 In Stock**

- 1 + €150<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€150,00 each
Qty 6-25	€120,00 each
Qty 26-49	€113,00 each
Need More?	<a href="#">Request Quote</a>

**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Plano-Concave Lens **Type:**  
Max. Flat Annulus is 0.3mm **Note:**

## Physical & Mechanical Properties

Diameter (mm):

9.00 +0.0/-0.025

Center Thickness CT (mm):

2.00

Center Thickness Tolerance (mm):

±0.05

Centering (arcmin):

<1

Clear Aperture CA (mm):

8.1

Edge Thickness ET (mm):

3.15

## Optical Properties

Effective Focal Length EFL (mm):

-18.00

Substrate:

Fused Silica (Corning 7980)

f#:

2.00

Numerical Aperture NA:

0.25

Coating:

1064nm V-Coat

Back Focal Length BFL (mm):

-19.37

Coating Specification:

R<sub>abs</sub> <0.25% @ 1064nm

Design Wavelength DWL (nm):

1064

Focal Length Specification Wavelength (nm):

587.6

Focal Length Tolerance (%):

±1

Radius R<sub>1</sub> (mm):

-8.25

Surface Quality:

40-20

Damage Threshold, By Design:

15 J/cm<sup>2</sup> @ 1064nm, 10ns

Power (P-V) @ 632.8nm:

1.5λ

Irregularity (P-V) @ 632.8nm:

λ/4

## Regulatory Compliance

Certificate of Conformance:

[View](#)

## Product Details

- Negative Focal Lengths for Beam Expansion or Light Projection Applications
- Research-Grade Synthetic Fused Silica Substrate
- <0.25% Reflection at 1064nm for Nd:YAG and Fiber Laser Applications
- [Uncoated and BBAR Coating Options](#) Available

TECHSPEC® 1064nm Laser Line Coated UV Fused Silica Plano-Concave (PCV) Lenses are high performance lenses that feature a low coefficient of thermal expansion. Manufactured using research-grade synthetic fused silica, these lenses provide excellent transmission and chemical purity. TECHSPEC® 1064nm Laser Line Coated UV Fused Silica Plano-Concave (PCV) Lenses are designed for maximum throughput at 1064nm, making them ideal for applications utilizing 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.

## 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

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