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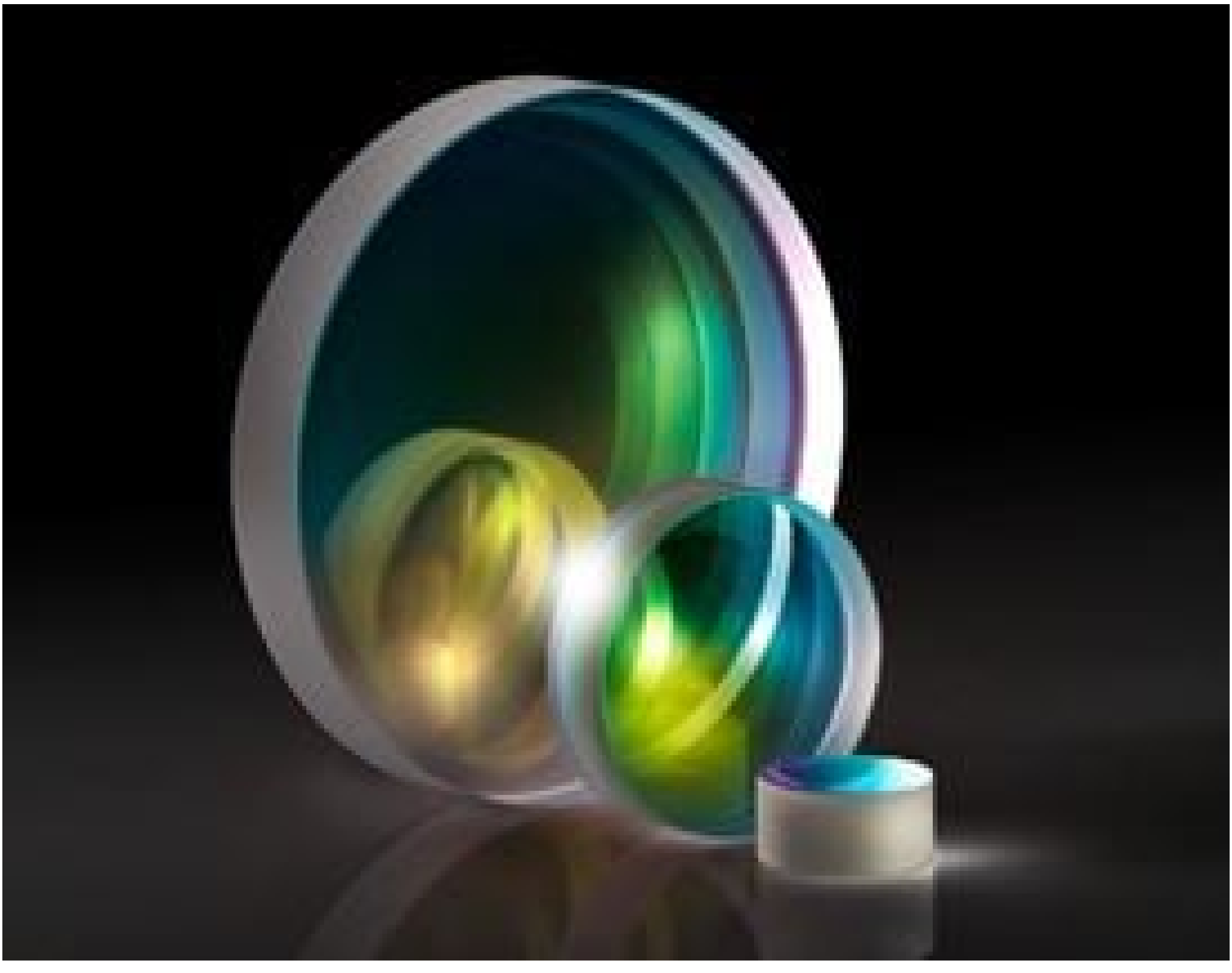
TECHSPEC® 25.0mm Dia. x -100 FL, 1064nm V-Coat, UV Plano-Concave Lens



Stock **#21-039** **14 In Stock**

- 1 +

£131.20

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Volume Pricing	
Qty 1-5	**£131.20** each
Qty 6-25	**£104.80** each
Qty 26-49	**£98.40** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Plano-Concave Lens

Note:
Max. Flat Annulus is 0.3mm

Physical & Mechanical Properties

Diameter (mm):
25.00 +0.0/-0.025

Center Thickness CT (mm):
2.50

Center Thickness Tolerance (mm):
±0.10

Centering (arcmin):
<1

Clear Aperture CA (mm):
24

Edge Thickness ET (mm):
4.15

Optical Properties

Effective Focal Length EFL (mm):
-100.00

Substrate:
Fused Silica (Corning 7980)

f/#:
4.00

Numerical Aperture NA:
0.13

Coating:
1064nm V-Coat

Back Focal Length BFL (mm):
-101.71

Coating Specification:
R_{abs} <0.25% @ 1064nm

Design Wavelength DWL (nm):
1064

Focal Length Specification Wavelength (nm):
587.6

Focal Length Tolerance (%):
±1

Radius R_1 (mm):
-45.84

Surface Quality:
40-20

Damage Threshold, By Design:
15 J/cm^2 @ 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