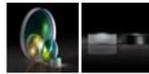
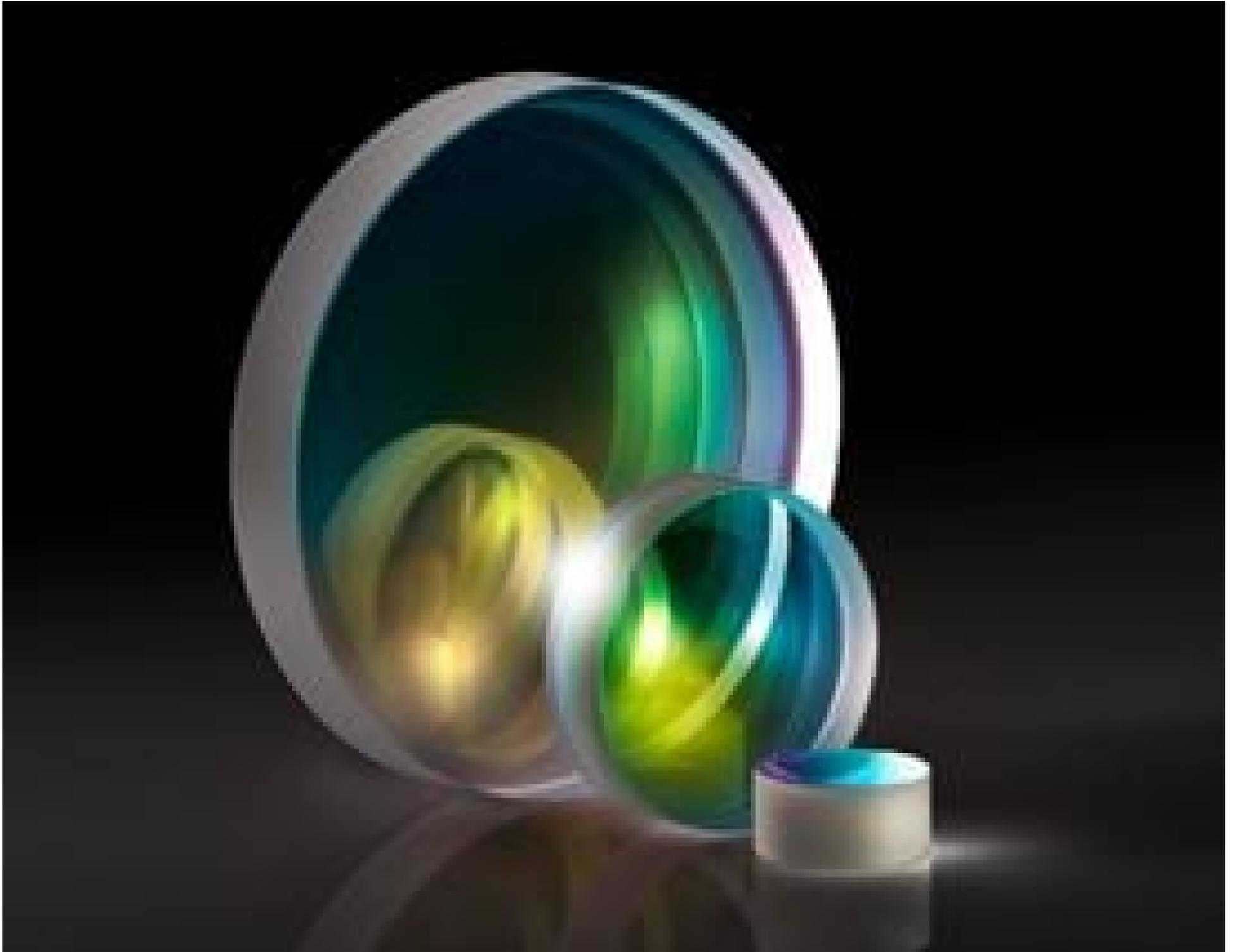


TECHSPEC® 12.0mm Dia. x -40 FL, 1064nm V-Coat, UV Plano-Concave Lens



Stock #21-034 **1 In Stock**

⊖ 1 ⊕ ₹11,366

ADD TO CART

Volume Pricing	
Qty 1-5	₹11,366 each
Qty 6-25	₹9,108 each
Qty 26-49	₹8,564 each
Need More?	Request Quote

Product Downloads

General

Plano-Concave Lens **Type:**

Max. Flat Annulus is 0.3mm **Note:**

Physical & Mechanical Properties

12.00 +0.0/-0.025	Diameter (mm):
2.00	Center Thickness CT (mm):
±0.05	Center Thickness Tolerance (mm):
<1	Centering (arcmin):
11	Clear Aperture CA (mm):
2.91	Edge Thickness ET (mm):

Optical Properties

-40.00	Effective Focal Length EFL (mm):
Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
3.33	f#:
0.15	Numerical Aperture NA:
1064nm V-Coat	Coating:
-41.37	Back Focal Length BFL (mm):
R _{abs} <0.25% @ 1064nm	Coating Specification:
1064	Design Wavelength DWL (nm):
587.6	Focal Length Specification Wavelength (nm):
±1	Focal Length Tolerance (%):
-18.33	Radius R₁ (mm):
40-20	Surface Quality:
15 J/cm ² @ 1064nm, 10ns	Damage Threshold, By Design: <input type="checkbox"/>
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:

Regulatory Compliance

View	Certificate of Conformance:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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](#).

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.

Compatible Mounts
