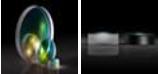
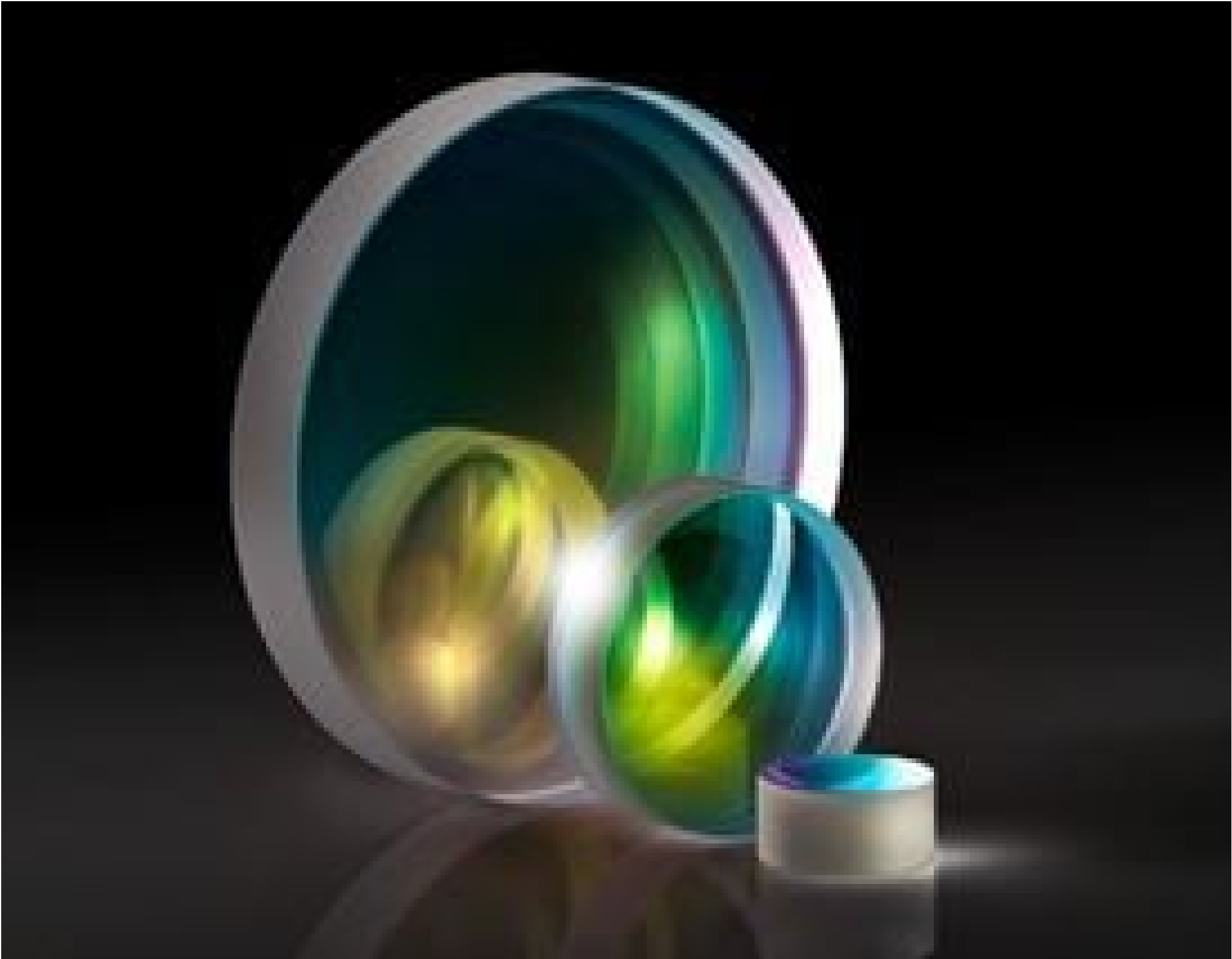


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TECHSPEC®

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



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

-

1

+

£125<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £125.60 each                  |
| Qty 6-25       | £100.80 each                  |
| Qty 26-49      | £94.40 each                   |
| Need More?     | <a href="#">Request Quote</a> |

**i** 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    |                                                       |
|-------------------------------------|-------------------------------------------------------|
| 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 <sub>abs</sub> <0.25% @ 1064nm    | Coating Specification:                                |
| 1064                                | Design Wavelength DWL (nm):                           |
| 587.6                               | Focal Length Specification Wavelength (nm):           |
| ±1                                  | Focal Length Tolerance (%):                           |
| -18.33                              | Radius R <sub>1</sub> (mm):                           |
| 40-20                               | Surface Quality:                                      |
| 15 J/cm <sup>2</sup> @ 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:                           |

## 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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