

TECHSPEC<sup>®</sup> 6.0mm Dia. x -18 FL, 1064nm V-Coat, UV Plano-Concave Lens



Stock **#21-028** 3 In Stock

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+

C\$203<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$203.00 each                |
| Qty 6-25       | C\$162.40 each                |
| Qty 26-49      | C\$151.20 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |       |
|----------------------------------|-------|
| Plano-Concave Lens               | Type: |
| Max. Flat Annulus is 0.3mm       | Note: |
| Physical & Mechanical Properties |       |

|                  |                                  |
|------------------|----------------------------------|
| 6.00 +0.0/-0.025 | Diameter (mm):                   |
| 2.00             | Center Thickness CT (mm):        |
| ±0.05            | Center Thickness Tolerance (mm): |
| <1               | Centering (arcmin):              |
| 5.4              | Clear Aperture CA (mm):          |
| 2.45             | Edge Thickness ET (mm):          |

|                                     |                                                       |
|-------------------------------------|-------------------------------------------------------|
| Optical Properties                  |                                                       |
| -18.00                              | Effective Focal Length EFL (mm):                      |
| Fused Silica (Corning 7980)         | Substrate: <input type="checkbox"/>                   |
| 3.00                                | f/#:                                                  |
| 0.17                                | Numerical Aperture NA:                                |
| 1064nm V-Coat                       | Coating:                                              |
| -19.37                              | 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 (%):                           |
| -8.25                               | 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 |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 250:                  |

## 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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