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TECHSPEC<sup>®</sup> 25.4mm Diameter x 300mm FL, 370-550nm Coated, Ultrafast Thin PCX Lens



Stock #11-681 10 In Stock

[Other Coating Options](#)

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+

A\$241<sup>.60</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | A\$241.60 each                |
| Qty 6-25       | A\$212.80 each                |
| Qty 26-49      | A\$193.28 each                |
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Product Downloads

| General                          |                     |
|----------------------------------|---------------------|
| Plano-Convex Lens                | Type:               |
| Physical & Mechanical Properties |                     |
| 25.40 +0.00/-0.10                | Diameter (mm):      |
| <3                               | Centering (arcmin): |

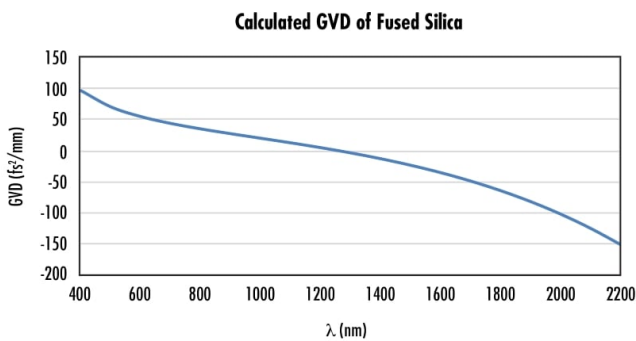
|                                           |                                                       |
|-------------------------------------------|-------------------------------------------------------|
| 1.60 ±0.10                                | Center Thickness CT (mm):                             |
| 1.01                                      | Edge Thickness ET (mm):                               |
| 22.86                                     | Clear Aperture CA (mm):                               |
| Protective as needed                      | Bevel:                                                |
| Optical Properties                        |                                                       |
| 300.35 @ 587.6nm                          | Effective Focal Length EFL (mm):                      |
| 299.25                                    | Back Focal Length BFL (mm):                           |
| BBAR (370-550nm)                          | Coating:                                              |
| R<0.5% @ 370 - 550nm                      | Coating Specification:                                |
| Fused Silica (Corning 7980)               | Substrate: <input type="checkbox"/>                   |
| 20-10                                     | Surface Quality:                                      |
| 1.5λ                                      | Power (P-V) @ 632.8nm:                                |
| λ/8                                       | Irregularity (P-V) @ 632.8nm:                         |
| ±1                                        | Focal Length Tolerance (%):                           |
| 137.70                                    | Radius R <sub>1</sub> (mm):                           |
| 11.82                                     | f/#:                                                  |
| 0.043                                     | Numerical Aperture NA:                                |
| 370 - 550                                 | Wavelength Range (nm):                                |
| 0                                         | Angle of Incidence (°):                               |
| 7.5 J/cm <sup>2</sup> @ 355nm, 20ns, 20Hz | Damage Threshold, By Design: <input type="checkbox"/> |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| Compliant             | Reach 219:                  |
| View                  | Certificate of Conformance: |

## Product Details

- Ultra-Thin Center Thickness to Limit GDD
  - Low Loss Broadband IBS Anti-Reflection Coating
  - Ideal for Ultrafast and Laser Optics Applications
  - UV or IR Grade Fused Silica Substrates
- TECHSPEC® Ultrafast Thin Plano-Convex Lenses are designed with an ultra-thin center thickness to provide a low group delay dispersion (GDD) for ultrafast laser pulses. TECHSPEC Ultrafast Thin Plano-Convex Lenses are ideal for collecting and focusing light from laser sources and their corresponding harmonics, including Ti:sapphire, Yb:YAG, and Nd:YAG, Holmium, and Thulium lasers. These thin PCX lenses are available in standard sizes with effective focal lengths from 50mm to 2000mm.
- IR grade fused silica differs from UV grade fused silica by its reduced amount of OH<sup>-</sup> ions, resulting in higher transmission throughout the NIR spectrum and reduction of transmission in the UV spectrum.

## Technical Information



# 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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