

**TECHSPEC® 12.7mm Dia. x 50mm FL, 355nm Coated, Laser Grade PCX Lens**



TECHSPEC Laser Grade PCX Lenses

Stock **#38-685** 3-5 DAYS

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- 1 + **A\$292.80**

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**Diameter (mm):**  
12.70 +0.00/-0.025

**Effective Focal Length EFL (mm):**  
50.00 @ 355nm

**Back Focal Length BFL (mm):**  
47.30

|                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------|
| <div>Coating:<br/>Laser V-Coat (355nm)</div>                                                                      |
| <div>Coating Specification:<br/>R<sub>abs</sub> &lt;0.25% @ 355nm</div>                                           |
| <div>Substrate: <div><div></div><div>Fused Silica</div></div> (Corning 7980)</div>                                |
| <div>Surface Quality:<br/>10-5</div>                                                                              |
| <div>Power (P-V) @ 632.8nm:<br/>λ</div>                                                                           |
| <div>Irregularity (P-V) @ 632.8nm:<br/>λ/10</div>                                                                 |
| <div>Focal Length Tolerance (%):<br/>±1</div>                                                                     |
| <div>Centering (arcmin):<br/>&lt;1</div>                                                                          |
| <div>Center Thickness CT (mm):<br/>4.00 ±0.10</div>                                                               |
| <div>Edge Thickness ET (mm):<br/>3.14</div>                                                                       |
| <div>Radius R<sub>1</sub> (mm):<br/>23.80</div>                                                                   |
| <div>Clear Aperture CA (mm):<br/>11.43</div>                                                                      |
| <div>f#:<br/>3.94</div>                                                                                           |
| <div>Numerical Aperture NA:<br/>0.13</div>                                                                        |
| <div>Design Wavelength DWL (nm):<br/>355</div>                                                                    |
| <div>Type:<br/>Plano-Convex Lens</div>                                                                            |
| <div>Bevel:<br/>Protective bevel as needed</div>                                                                  |
| <div>Damage Threshold, By Design: <div><div></div><div>7.5 J/cm<sup>2</sup> @ 355nm, 20ns, 20Hz</div></div></div> |

## Regulatory Compliance

|                                                 |
|-------------------------------------------------|
| <div>RoHS:<br/>Compliant</div>                  |
| <div>Certificate of Conformance:<br/>View</div> |