

TECHSPEC<sup>®</sup> 25.4mm Diameter x 450mm FL, 950-1150nm Coated, Ultrafast Thin PCX Lens



Stock #11-646 3-4 DAYS

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-

1

+

£112.20

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Diameter (mm):  
25.40 +0.00/-0.10

Effective Focal Length EFL (mm):  
450.52 @587.6nm

Back Focal Length BFL (mm):

|                                                                                                          |
|----------------------------------------------------------------------------------------------------------|
| 449.43                                                                                                   |
| <b>Coating:</b><br>BBAR (950-1150nm)                                                                     |
| <b>Coating Specification:</b><br>R <sub>abs</sub> <0.15% @ 950 - 1150nm                                  |
| <b>Substrate:</b> <input type="checkbox"/><br><a href="#">Fused Silica</a> (Corning 7980)                |
| <b>Surface Quality:</b><br>20-10                                                                         |
| <b>Power (P-V) @ 632.8nm:</b><br>1.5λ                                                                    |
| <b>Irregularity (P-V) @ 632.8nm:</b><br>λ/8                                                              |
| <b>Focal Length Tolerance (%):</b><br>±1                                                                 |
| <b>Centering (arcmin):</b><br><3                                                                         |
| <b>Center Thickness CT (mm):</b><br>1.60 ±0.10                                                           |
| <b>Edge Thickness ET (mm):</b><br>1.21                                                                   |
| <b>Radius R<sub>1</sub> (mm):</b><br>206.55                                                              |
| <b>Clear Aperture CA (mm):</b><br>22.86                                                                  |
| <b>f/#:</b><br>17.72                                                                                     |
| <b>Numerical Aperture NA:</b><br>0.029                                                                   |
| <b>Design Wavelength DWL (nm):</b><br>1030                                                               |
| <b>Type:</b><br>Plano-Convex Lens                                                                        |
| <b>Bevel:</b><br>Protective bevel as needed                                                              |
| <b>Wavelength Range (nm):</b><br>950 - 1150                                                              |
| <b>Angle of Incidence (°):</b><br>0                                                                      |
| <b>Damage Threshold, By Design:</b> <input type="checkbox"/><br>10 J/cm <sup>2</sup> @ 532nm, 20ns, 20Hz |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Reach 219:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |