

TECHSPEC<sup>®</sup> 50mm Dia. x 200mm FL UV-AR Coated, UV Plano-Convex Lens



UV Fused Silica Plano-Convex (PCX) Lenses



Stock **#67-221** 3-4 DAYS

⊖ 1 ⊕

£252.88

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Qty 1-5

£252.88

Qty 6+

£202.30

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Diameter (mm):  
50.00 +0.0/-0.025

Effective Focal Length EFL (mm):

|                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 200.00 @587.6nm                                                                                                                                        |
| <b>Back Focal Length BFL (mm):</b><br>195.19                                                                                                           |
| <b>Coating:</b><br>UV-AR (250-425nm)                                                                                                                   |
| <b>Coating Specification:</b><br>R <sub>abs</sub> ≤1.0% @ 250 - 425nm<br>R <sub>avg</sub> ≤0.75% @ 250 - 425nm<br>R <sub>avg</sub> ≤0.5% @ 370 - 420nm |
| <b>Substrate:</b> <input type="checkbox"/><br><a href="#">Fused Silica</a> (Corning 7980)                                                              |
| <b>Surface Quality:</b><br>40-20                                                                                                                       |
| <b>Power (P-V) @ 632.8nm:</b><br>1.5λ                                                                                                                  |
| <b>Irregularity (P-V) @ 632.8nm:</b><br>λ/4                                                                                                            |
| <b>Focal Length Tolerance (%):</b><br>±1                                                                                                               |
| <b>Centering (arcmin):</b><br><1                                                                                                                       |
| <b>Center Thickness CT (mm):</b><br>7.00 ±0.10                                                                                                         |
| <b>Edge Thickness ET (mm):</b><br>3.53                                                                                                                 |
| <b>Radius R<sub>1</sub> (mm):</b><br>91.69                                                                                                             |
| <b>Clear Aperture CA (mm):</b><br>49                                                                                                                   |
| <b>f/#:</b><br>4                                                                                                                                       |
| <b>Numerical Aperture NA:</b><br>0.13                                                                                                                  |
| <b>Type:</b><br>Plano-Convex Lens                                                                                                                      |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                                            |
| <b>Wavelength Range (nm):</b><br>250 - 425                                                                                                             |
| <b>Damage Threshold, Reference:</b> <input type="checkbox"/><br>3 J/cm² @ 355nm, 10ns                                                                  |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 235:</b><br><a href="#">Compliant</a>             |