

**TECHSPEC® 50mm Dia. x 150mm FL UV-VIS Coated, UV Plano-Convex Lens**



UV Fused Silica Plano-Convex (PCX) Lenses



Stock **#67-230** [CONTACT US](#)

1

**A\$476.00**

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Qty 1-5

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**Diameter (mm):**  
50.00 +0.0/-0.025

**Effective Focal Length EFL (mm):**  
150.00 @587.6nm

|                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Back Focal Length BFL (mm):</b><br>145.20                                                                                       |
| <b>Coating:</b><br>UV-VIS (250-700nm)                                                                                              |
| <b>Coating Specification:</b><br>R <sub>abs</sub> ≤1.0% @ 350 - 450nm<br>R <sub>avg</sub> ≤1.5% @ 250 - 700nm                      |
| <b>Substrate:</b> <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>2.29                                                                                             |
| <b>Radius R<sub>1</sub> (mm):</b><br>68.77                                                                                         |
| <b>Clear Aperture CA (mm):</b><br>49                                                                                               |
| <b>f#:</b><br>3                                                                                                                    |
| <b>Numerical Aperture NA:</b><br>0.17                                                                                              |
| <b>Type:</b><br>Plano-Convex Lens                                                                                                  |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                        |
| <b>Wavelength Range (nm):</b><br>250 - 700                                                                                         |
| <b>Damage Threshold, Reference:</b> <a href="#">View</a><br>3 J/cm <sup>2</sup> @ 355nm, 10ns<br>5 J/cm <sup>2</sup> @ 532nm, 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>             |