

**TECHSPEC® 12mm Dia. x 100mm FL, NIR II Coated, Plano-Convex Lens**



UV Fused Silica Plano-Convex (PCX) Lenses



Stock **#18-061** 3-4 DAYS

- 1 + **€130,00**

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Qty 1-5

€130,00

Qty 6+

€104,00

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**Diameter (mm):**  
12.00 -0.025

**Effective Focal Length EFL (mm):**

|                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 100.00 @587.6nm                                                                                                                                         |
| <b>Back Focal Length BFL (mm):</b><br>98.33                                                                                                             |
| <b>Coating:</b><br>NIR II (750-1550nm)                                                                                                                  |
| <b>Coating Specification:</b><br>R <sub>abs</sub> ≤1.5% @ 750 - 800nm<br>R <sub>abs</sub> ≤1.0% @ 800 - 1550nm<br>R <sub>avg</sub> ≤0.7% @ 750 - 1550nm |
| <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>3 Rings                                                                                                                |
| <b>Irregularity (P-V) @ 632.8nm:</b><br>0.5 Rings                                                                                                       |
| <b>Focal Length Tolerance (%):</b><br>±1                                                                                                                |
| <b>Centering (arcmin):</b><br><1                                                                                                                        |
| <b>Center Thickness CT (mm):</b><br>2.44 ±0.05                                                                                                          |
| <b>Edge Thickness ET (mm):</b><br>2.05                                                                                                                  |
| <b>Radius R<sub>1</sub> (mm):</b><br>45.85                                                                                                              |
| <b>Clear Aperture CA (mm):</b><br>11                                                                                                                    |
| <b>f/#:</b><br>8.33                                                                                                                                     |
| <b>Numerical Aperture NA:</b><br>0.06                                                                                                                   |
| <b>Type:</b><br>Plano-Convex Lens                                                                                                                       |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                                             |
| <b>Wavelength Range (nm):</b><br>750 - 1550                                                                                                             |
| <b>Damage Threshold, By Design:</b> <input type="checkbox"/><br>8 J/cm <sup>2</sup> @ 1064nm, 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>             |