

**TECHSPEC® 50.0mm Dia. x 500.0mm FL, NIR I, Inked, Plano-Convex Lens**



Stock **#48-803-INK** 3-5 DAYS

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- 1 +

**C\$98.70**

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**Diameter (mm):**  
50.00 ±0.025

**Effective Focal Length EFL (mm):**  
500.00 @587.6nm

|                                                                                                    |
|----------------------------------------------------------------------------------------------------|
| <b>Back Focal Length BFL (mm):</b><br>496.70                                                       |
| <b>Coating:</b><br>NIR I (600-1050nm)                                                              |
| <b>Coating Specification:</b><br>R <sub>avg</sub> ≤0.5% @ 600 - 1050nm                             |
| <b>Substrate:</b> <input type="checkbox"/><br><a href="#">N-BK7</a>                                |
| <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>5.00 ±0.10                                                     |
| <b>Edge Thickness ET (mm):</b><br>3.79                                                             |
| <b>Radius R<sub>1</sub> (mm):</b><br>258.40                                                        |
| <b>Clear Aperture CA (mm):</b><br>49                                                               |
| <b>f#:</b><br>10                                                                                   |
| <b>Numerical Aperture NA:</b><br>0.05                                                              |
| <b>Type:</b><br>Plano-Convex Lens                                                                  |
| <b>Bevel:</b><br>Protective bevel as needed                                                        |
| <b>Wavelength Range (nm):</b><br>600 - 1050                                                        |
| <b>Damage Threshold, By Design:</b> <input type="checkbox"/><br>7 J/cm <sup>2</sup> @ 1064nm, 10ns |

## Regulatory Compliance

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