

**TECHSPEC® 20mm Diameter x -50 FL, NIR II, Inked, Plano-Concave Lens**



Stock **#67-998-INK** 3-5 DAYS  
[Other Coating Options](#)

- 1 + **C\$74.90**

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**Diameter (mm):**  
20.00 ±0.025

**Effective Focal Length EFL (mm):**  
-50.00

|                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Substrate:</b> <div><div></div><div>N-BK7</div></div>                                                                                                |
| <b>f#:</b><br>2.5                                                                                                                                       |
| <b>Coating:</b><br>NIR II (750-1550nm)                                                                                                                  |
| <b>Type:</b><br>Plano-Concave Lens                                                                                                                      |
| <b>Wavelength Range (nm):</b><br>750 - 1550                                                                                                             |
| <b>Back Focal Length BFL (mm):</b><br>-52.31                                                                                                            |
| <b>Center Thickness CT (mm):</b><br>3.50                                                                                                                |
| <b>Center Thickness Tolerance (mm):</b><br>±0.10                                                                                                        |
| <b>Centering (arcmin):</b><br><1                                                                                                                        |
| <b>Clear Aperture CA (mm):</b><br>19.00                                                                                                                 |
| <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>Edge Thickness ET (mm):</b><br>5.21                                                                                                                  |
| <b>Focal Length Specification Wavelength (nm):</b><br>587.6                                                                                             |
| <b>Focal Length Tolerance (%):</b><br>±1.00                                                                                                             |
| <b>Radius R<sub>1</sub> (mm):</b><br>-25.84                                                                                                             |
| <b>Surface Quality:</b><br>40-20                                                                                                                        |
| <b>Damage Threshold, By Design:</b> <div><div></div><div>8 J/cm<sup>2</sup> @ 1064nm, 10ns</div></div>                                                  |
| <b>Power (P-V) @ 632.8nm:</b><br>1.5λ                                                                                                                   |
| <b>Irregularity (P-V) @ 632.8nm:</b><br>λ/4                                                                                                             |

## Regulatory Compliance

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