

**TECHSPEC® 40mm Dia. x 160mm FL, VIS-NIR, Inked, Achromatic Lens**



Stock **#49-382-INK** 10-15 DAYS  
[Other Coating Options](#)

- 1 + **A\$304.00**

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|                               |
|-------------------------------|
| Qty 1-5                       |
| A\$304.00                     |
| Qty 6+                        |
| A\$243.20                     |
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**Diameter (mm):**  
40.00 ±0.025

**Effective Focal Length EFL (mm):**  
160.00

|                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Focal Length Tolerance (%)</b> :<br>±1                                                                                                            |
| <b>Back Focal Length BFL (mm)</b> :<br>154.10                                                                                                        |
| <b>Focal Length Specification Wavelength (nm)</b> :<br>587.6                                                                                         |
| <b>Clear Aperture CA (mm)</b> :<br>39.00                                                                                                             |
| <b>Centering (arcmin)</b> :<br><1                                                                                                                    |
| <b>Center Thickness CT (mm)</b> :<br>12.50 ±0.20                                                                                                     |
| <b>Center Thickness CT 1 (mm)</b> :<br>8.50 ±0.10                                                                                                    |
| <b>Center Thickness CT 2 (mm)</b> :<br>4.00 ±0.10                                                                                                    |
| <b>Radius R<sub>1</sub> (mm)</b> :<br>98.66                                                                                                          |
| <b>Radius R<sub>2</sub> (mm)</b> :<br>-70.73                                                                                                         |
| <b>Radius R<sub>3</sub> (mm)</b> :<br>-205.72                                                                                                        |
| <b>Edge Thickness ET (mm)</b> :<br>9.48                                                                                                              |
| <b>Substrate</b> : <input type="checkbox"/><br><a href="#">N-BK7</a> / <a href="#">N-SF5</a>                                                         |
| <b>Surface Quality</b> :<br>40-20                                                                                                                    |
| <b>f/#</b> :<br>4.00                                                                                                                                 |
| <b>Numerical Aperture NA</b> :<br>0.13                                                                                                               |
| <b>Coating</b> :<br>VIS-NIR (400-1000nm)                                                                                                             |
| <b>Coating Specification</b> :<br>R <sub>abs</sub> ≤0.25% @ 880nm<br>R <sub>avg</sub> ≤1.25% @ 400 - 870nm<br>R <sub>avg</sub> ≤1.25% @ 890 - 1000nm |
| <b>Power (P-V) @ 632.8nm</b> :<br>1.5λ                                                                                                               |
| <b>Irregularity (P-V) @ 632.8nm</b> :<br>λ/4                                                                                                         |
| <b>Bevel</b> :<br>Protective bevel as needed                                                                                                         |
| <b>Type</b> :<br>Achromatic Lens                                                                                                                     |
| <b>Wavelength Range (nm)</b> :<br>400 - 1000                                                                                                         |

## Regulatory Compliance

|                                                             |
|-------------------------------------------------------------|
| <b>RoHS 2015</b> :<br><a href="#">Compliant</a>             |
| <b>REACH 201</b> :<br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance</b> :<br><a href="#">View</a> |