

**TECHSPEC® 40mm Dia. x 450mm FL, VIS-NIR Coated, Achromatic Lens**



Stock **#49-387** 3-4 DAYS

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- 1 + **€180,00**

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| Qty 1-5                       |
| €180,00                       |
| Qty 6+                        |
| €144,00                       |
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ⓘ Prices shown are exclusive of VAT/local taxes

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Diameter (mm):  
40.00 +0.0/-0.025

Effective Focal Length EFL (mm):

|                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 450.00                                                                                                                                                 |
| <b>Focal Length Tolerance (%)</b> :<br>±1                                                                                                              |
| <b>Back Focal Length BFL (mm)</b> :<br>445.69                                                                                                          |
| <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>10.00 ±0.20                                                                                                       |
| <b>Center Thickness CT 1 (mm)</b> :<br>6.00 ±0.10                                                                                                      |
| <b>Center Thickness CT 2 (mm)</b> :<br>4.00 ±0.10                                                                                                      |
| <b>Radius R<sub>1</sub> (mm)</b> :<br>279.60                                                                                                           |
| <b>Radius R<sub>2</sub> (mm)</b> :<br>-199.51                                                                                                          |
| <b>Radius R<sub>3</sub> (mm)</b> :<br>-579.39                                                                                                          |
| <b>Edge Thickness ET (mm)</b> :<br>8.94                                                                                                                |
| <b>Substrate:</b> <br><a href="#">N-BK7</a> / <a href="#">N-SF5</a> |
| <b>Surface Quality</b> :<br>40-20                                                                                                                      |
| <b>f/#</b> :<br>11.25                                                                                                                                  |
| <b>Numerical Aperture NA</b> :<br>0.04                                                                                                                 |
| <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 219:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |