

**TECHSPEC® 50mm Dia. x 250mm FL, VIS-NIR Coated, Achromatic Lens**



Stock **#49-393** 3-4 DAYS

[Other Coating Options](#)



1



**€194,00**

ADD TO CART

Qty 1-5

€194,00

Qty 6+

€155,25

Volume Pricing

[Request Quote](#)

Prices shown are exclusive of VAT/local taxes

Get Product Downloads



**Diameter (mm):**  
50.00 +0.0/-0.025

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

|                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 250.00                                                                                                                                            |
| Focal Length Tolerance (%):<br>±1                                                                                                                 |
| Back Focal Length BFL (mm):<br>243.41                                                                                                             |
| Focal Length Specification Wavelength (nm):<br>587.6                                                                                              |
| Clear Aperture CA (mm):<br>49.00                                                                                                                  |
| Centering (arcmin):<br><1                                                                                                                         |
| Center Thickness CT (mm):<br>13.25 ±0.20                                                                                                          |
| Center Thickness CT 1 (mm):<br>9.75 ±0.10                                                                                                         |
| Center Thickness CT 2 (mm):<br>3.50 ±0.10                                                                                                         |
| Radius R <sub>1</sub> (mm):<br>162.59                                                                                                             |
| Radius R <sub>2</sub> (mm):<br>-123.82                                                                                                            |
| Radius R <sub>3</sub> (mm):<br>-402.58                                                                                                            |
| Edge Thickness ET (mm):<br>10.54                                                                                                                  |
| Substrate: <br><a href="#">N-BAK4</a> / <a href="#">N-SF10</a> |
| Surface Quality:<br>40-20                                                                                                                         |
| f/#:<br>5.00                                                                                                                                      |
| Numerical Aperture NA:<br>0.10                                                                                                                    |
| Coating:<br>VIS-NIR (400-1000nm)                                                                                                                  |
| Coating Specification:<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        |
| Power (P-V) @ 632.8nm:<br>1.5λ                                                                                                                    |
| Irregularity (P-V) @ 632.8nm:<br>λ/4                                                                                                              |
| Bevel:<br>Protective bevel as needed                                                                                                              |
| Type:<br>Achromatic Lens                                                                                                                          |
| Wavelength Range (nm):<br>400 - 1000                                                                                                              |

### Regulatory Compliance

|                                                     |
|-----------------------------------------------------|
| RoHS 2015:<br><a href="#">Compliant</a>             |
| Reach 219:<br><a href="#">Compliant</a>             |
| Certificate of Conformance:<br><a href="#">View</a> |