

TECHSPEC<sup>®</sup> 20mm Dia. x 50mm FL, MgF<sub>2</sub> Coated, Achromatic Doublet Lens



MgF<sub>2</sub> Coated Achromatic Lenses



Stock **#49-933** 3-5 DAYS

[Other Coating Options](#)

-

1

+

A\$152.00

ADD TO CART

Qty 1-5

A\$152.00

Qty 6+

A\$121.60

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Diameter (mm):  
20.00 +0.0/-0.025

Effective Focal Length EFL (mm):

|                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 50.00                                                                                                                                             |
| Focal Length Tolerance (%):<br>±1                                                                                                                 |
| Back Focal Length BFL (mm):<br>46.93                                                                                                              |
| Focal Length Specification Wavelength (nm):<br>587.6                                                                                              |
| Clear Aperture CA (mm):<br>19.00                                                                                                                  |
| Centering (arcmin):<br><1                                                                                                                         |
| Center Thickness CT (mm):<br>6.80 ±0.20                                                                                                           |
| Center Thickness CT 1 (mm):<br>4.80 ±0.10                                                                                                         |
| Center Thickness CT 2 (mm):<br>2.00 ±0.10                                                                                                         |
| Radius R <sub>1</sub> (mm):<br>36.92                                                                                                              |
| Radius R <sub>2</sub> (mm):<br>-25.65                                                                                                             |
| Radius R <sub>3</sub> (mm):<br>-77.89                                                                                                             |
| Edge Thickness ET (mm):<br>4.78                                                                                                                   |
| Substrate: <br><a href="#">N-SSK8</a> / <a href="#">N-SF56</a> |
| Surface Quality:<br>40-20                                                                                                                         |
| f/#:<br>2.5                                                                                                                                       |
| Numerical Aperture NA:<br>0.20                                                                                                                    |
| Coating:<br>MgF <sub>2</sub> (400-700nm)                                                                                                          |
| Coating Specification:<br>R <sub>avg</sub> ≤1.75% @400 - 700nm                                                                                    |
| 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 - 700                                                                                                               |

## Regulatory Compliance

|                                                     |
|-----------------------------------------------------|
| RoHS 2015:<br><a href="#">Compliant</a>             |
| Reach 224:<br><a href="#">Compliant</a>             |
| Certificate of Conformance:<br><a href="#">View</a> |