

TECHSPEC®

9mm Dia. x -9mm FL, MgF<sub>2</sub> Coated, Double-Concave Lens



Stock **#48-340**

3-5 DAYS

[Other Coating Options](#)



1



A\$55.20

ADD TO CART

Qty 1-9

A\$55.20

Qty 10+

A\$49.60

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Diameter (mm):  
9.00 +0.0/-0.025

Effective Focal Length EFL (mm):  
-9.00

|                                                                                                            |
|------------------------------------------------------------------------------------------------------------|
| <div>Substrate: <div><div></div><div>N-SF11</div></div></div>                                              |
| <div>f/#:<br/>1.00</div>                                                                                   |
| <div>Numerical Aperture NA:<br/>0.50</div>                                                                 |
| <div>Coating:<br/>MgF<sub>2</sub> (400-700nm)</div>                                                        |
| <div>Type:<br/>Double-Concave Lens</div>                                                                   |
| <div>Wavelength Range (nm):<br/>400 - 700</div>                                                            |
| <div>Back Focal Length BFL (mm):<br/>-9.61</div>                                                           |
| <div>Bevel:<br/>Protective bevel as needed</div>                                                           |
| <div>Center Thickness CT (mm):<br/>2.25</div>                                                              |
| <div>Center Thickness Tolerance (mm):<br/>±0.05</div>                                                      |
| <div>Centering (arcmin):<br/>&lt;3</div>                                                                   |
| <div>Clear Aperture CA (mm):<br/>8.1</div>                                                                 |
| <div>Coating Specification:<br/>R<sub>avg</sub> ≤1.75% @ 400 - 700nm</div>                                 |
| <div>Edge Thickness ET (mm):<br/>3.48</div>                                                                |
| <div>Focal Length Specification Wavelength (nm):<br/>587.6</div>                                           |
| <div>Focal Length Tolerance (%):<br/>±1</div>                                                              |
| <div>Radius R<sub>1</sub>=R<sub>2</sub> (mm):<br/>-14.60</div>                                             |
| <div>Surface Quality:<br/>40-20</div>                                                                      |
| <div>Damage Threshold, By Design: <div><div></div><div>10 J/cm<sup>2</sup> @ 532nm, 10ns</div></div></div> |
| <div>Power (P-V) @ 632.8nm:<br/>1.5λ</div>                                                                 |
| <div>Irregularity (P-V) @ 632.8nm:<br/>λ/4</div>                                                           |

## Regulatory Compliance

|                                                 |
|-------------------------------------------------|
| <div>RoHS 2015:<br/>Compliant</div>             |
| <div>Reach 219:<br/>Compliant</div>             |
| <div>Certificate of Conformance:<br/>View</div> |