

TECHSPEC®

9.0mm Diameter x -18 FL, NIR I Coated, Plano-Concave Lens



Stock **#49-523** [CONTACT US](#)

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-

1

+

C\$56.00

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| Qty 1-9                       |
| C\$56.00                      |
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| C\$50.40                      |
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Diameter (mm):  
9.00 +0.0/-0.025

Effective Focal Length EFL (mm):  
-18.00

|                                                                                                 |
|-------------------------------------------------------------------------------------------------|
| <div>Substrate: <div><div>N-SF11</div></div></div>                                              |
| <div>f#:<br/>2.00</div>                                                                         |
| <div>Numerical Aperture NA:<br/>0.25</div>                                                      |
| <div>Coating:<br/>NIR I (600-1050nm)</div>                                                      |
| <div>Type:<br/>Plano-Concave Lens</div>                                                         |
| <div>Wavelength Range (nm):<br/>600 - 1050</div>                                                |
| <div>Back Focal Length BFL (mm):<br/>-19.26</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;1</div>                                                        |
| <div>Clear Aperture CA (mm):<br/>8.1</div>                                                      |
| <div>Coating Specification:<br/>R<sub>avg</sub> ≤0.5% @ 600 - 1050nm</div>                      |
| <div>Edge Thickness ET (mm):<br/>2.89</div>                                                     |
| <div>Focal Length Specification Wavelength (nm):<br/>587.6</div>                                |
| <div>Focal Length Tolerance (%):<br/>±1</div>                                                   |
| <div>Radius R<sub>1</sub> (mm):<br/>-14.12</div>                                                |
| <div>Surface Quality:<br/>40-20</div>                                                           |
| <div>Damage Threshold, By Design: <div><div>7 J/cm<sup>2</sup> @ 1064nm, 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>Certificate of Conformance:<br/>View</div> |
| <div>Reach 235:<br/>Compliant</div>             |