

TECHSPEC®

# 6.0mm Dia. x 18.0mm FL, NIR II Coated, Plano-Convex Lens



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-

1

+

€37,00

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Diameter (mm):  
6.00 +0.0/-0.025

Effective Focal Length EFL (mm):

|                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 18.00 @ 587.6nm                                                                                                                                         |
| <b>Back Focal Length BFL (mm):</b><br>17.07                                                                                                             |
| <b>Coating:</b><br>NIR II (750-1550nm)                                                                                                                  |
| <b>Coating Specification:</b><br>R <sub>abs</sub> ≤1.5% @ 750 - 800nm<br>R <sub>abs</sub> ≤1.0% @ 800 - 1550nm<br>R <sub>avg</sub> ≤0.7% @ 750 - 1550nm |
| <b>Substrate:</b> <input type="checkbox"/><br><a href="#">N-BK7</a>                                                                                     |
| <b>Surface Quality:</b><br>40-20                                                                                                                        |
| <b>Power (P-V) @ 632.8nm:</b><br>1.5λ                                                                                                                   |
| <b>Irregularity (P-V) @ 632.8nm:</b><br>λ/4                                                                                                             |
| <b>Focal Length Tolerance (%):</b><br>±1                                                                                                                |
| <b>Centering (arcmin):</b><br><1                                                                                                                        |
| <b>Center Thickness CT (mm):</b><br>1.42 ±0.05                                                                                                          |
| <b>Edge Thickness ET (mm):</b><br>0.92                                                                                                                  |
| <b>Radius R<sub>1</sub> (mm):</b><br>9.30                                                                                                               |
| <b>Clear Aperture CA (mm):</b><br>5.4                                                                                                                   |
| <b>f/#:</b><br>3                                                                                                                                        |
| <b>Numerical Aperture NA:</b><br>0.17                                                                                                                   |
| <b>Type:</b><br>Plano-Convex Lens                                                                                                                       |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                                             |
| <b>Wavelength Range (nm):</b><br>750 - 1550                                                                                                             |
| <b>Damage Threshold, Reference:</b> <input type="checkbox"/><br>8 J/cm² @ 1064nm, 10ns                                                                  |

### Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 235:</b><br><a href="#">Compliant</a>             |