

TECHSPEC®

# 12.5mm Dia. x 40.0mm FL, VIS-NIR Coated, Plano-Convex Lens



Stock **#38-507** 3-4 DAYS  
[Other Coating Options](#)

-

1

+

€43,00

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|                               |
|-------------------------------|
| Qty 1-9                       |
| €43,00                        |
| Qty 10+                       |
| €38,75                        |
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Diameter (mm):  
12.50 +0.0/-0.025

Effective Focal Length EFL (mm):

|                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 40.00 @ 587.6nm                                                                                                                                     |
| <b>Back Focal Length BFL (mm):</b><br>38.55                                                                                                         |
| <b>Coating:</b><br>VIS-NIR (400-1000nm)                                                                                                             |
| <b>Coating Specification:</b><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 |
| <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>2.20 ±0.05                                                                                                      |
| <b>Edge Thickness ET (mm):</b><br>1.23                                                                                                              |
| <b>Radius R<sub>1</sub> (mm):</b><br>20.67                                                                                                          |
| <b>Clear Aperture CA (mm):</b><br>11.5                                                                                                              |
| <b>f/#:</b><br>3.2                                                                                                                                  |
| <b>Numerical Aperture NA:</b><br>0.16                                                                                                               |
| <b>Type:</b><br>Plano-Convex Lens                                                                                                                   |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                                         |
| <b>Wavelength Range (nm):</b><br>400 - 1000                                                                                                         |
| <b>Damage Threshold, By Design:</b> <input type="checkbox"/><br>5 J/cm² @ 532nm, 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>             |