

TECHSPEC®

# 6.0mm Dia. x 48.0mm FL, Uncoated, Plano-Convex Lens



Stock **#45-233** ☐ In Stock  
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-

1

+

C\$36.40

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Diameter (mm):  
6.00 +0.0/-0.025

Effective Focal Length EFL (mm):  
48.00 @ 587.6nm

|                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------|
| <b>Back Focal Length BFL (mm):</b><br>46.95                                                                                  |
| <b>Coating:</b><br>Uncoated                                                                                                  |
| <b>Substrate:</b> <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>1.60 ±0.05                                                                               |
| <b>Edge Thickness ET (mm):</b><br>1.42                                                                                       |
| <b>Radius R<sub>1</sub> (mm):</b><br>24.81                                                                                   |
| <b>Clear Aperture CA (mm):</b><br>5.4                                                                                        |
| <b>f#:</b><br>8                                                                                                              |
| <b>Numerical Aperture NA:</b><br>0.06                                                                                        |
| <b>Type:</b><br>Plano-Convex Lens                                                                                            |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                  |
| <b>Wavelength Range (nm):</b><br>350 - 2200                                                                                  |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Reach 219:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |