

**TECHSPEC® 6.0mm Diameter x -12 FL, MgF<sub>2</sub> Coated, Plano-Concave Lens**



Stock **#45-009** ☐ In Stock  
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1  **C\$47.60**

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**Diameter (mm):**  
6.00 +0.0/-0.025

**Effective Focal Length EFL (mm):**  
-12.00

|                                                                                                            |
|------------------------------------------------------------------------------------------------------------|
| <div>Substrate: <div><div></div></div><div>N-BK7</div></div>                                               |
| <div>f#:<div>2.00</div></div>                                                                              |
| <div>Numerical Aperture NA:<div>0.25</div></div>                                                           |
| <div>Coating:<div>MgF<sub>2</sub> (400-700nm)</div></div>                                                  |
| <div>Type:<div>Plano-Concave Lens</div></div>                                                              |
| <div>Wavelength Range (nm):<div>400 - 700</div></div>                                                      |
| <div>Back Focal Length BFL (mm):<div>-12.99</div></div>                                                    |
| <div>Bevel:<div>Protective bevel as needed</div></div>                                                     |
| <div>Center Thickness CT (mm):<div>1.50</div></div>                                                        |
| <div>Center Thickness Tolerance (mm):<div>±0.05</div></div>                                                |
| <div>Centering (arcmin):<div>&lt;1</div></div>                                                             |
| <div>Clear Aperture CA (mm):<div>5.4</div></div>                                                           |
| <div>Coating Specification:<div>R<sub>avg</sub> ≤1.75% @ 400 - 700nm</div></div>                           |
| <div>Edge Thickness ET (mm):<div>2.12</div></div>                                                          |
| <div>Focal Length Specification Wavelength (nm):<div>587.6</div></div>                                     |
| <div>Focal Length Tolerance (%):<div>±1</div></div>                                                        |
| <div>Radius R<sub>1</sub> (mm):<div>-6.20</div></div>                                                      |
| <div>Surface Quality:<div>40-20</div></div>                                                                |
| <div>Damage Threshold, By Design: <div><div></div></div><div>10 J/cm<sup>2</sup> @ 532nm, 10ns</div></div> |
| <div>Power (P-V) @ 632.8nm:<div>1.5λ</div></div>                                                           |
| <div>Irregularity (P-V) @ 632.8nm:<div>λ/4</div></div>                                                     |

## Regulatory Compliance

|                                                       |
|-------------------------------------------------------|
| <div>RoHS 2015:<div>Compliant</div></div>             |
| <div>Certificate of Conformance:<div>View</div></div> |
| <div>Reach 235:<div>Compliant</div></div>             |