

**TECHSPEC® 12mm Dia. x 50mm FL, MgF<sub>2</sub> Coated, Plano-Convex Lens**



UV Fused Silica Plano-Convex (PCX) Lenses



Stock **#18-054** CLEARANCE 3-5 DAYS

1

**A\$192.00**

ADD TO CART

Qty 1-5

A\$192.00

Qty 6+

A\$153.60

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**Diameter (mm):**  
12.00 -0.025

**Effective Focal Length EFL (mm):**  
50.00 @ 587.6nm

|                                                                                                    |
|----------------------------------------------------------------------------------------------------|
| <b>Back Focal Length BFL (mm):</b><br>48.01                                                        |
| <b>Coating:</b><br>MgF <sub>2</sub> (400-700nm)                                                    |
| <b>Coating Specification:</b><br>R <sub>avg</sub> ≤1.75% @ 400 - 700nm                             |
| <b>Substrate:</b> <input type="checkbox"/><br><a href="#">Fused Silica</a> (Corning 7980)          |
| <b>Surface Quality:</b><br>40-20                                                                   |
| <b>Power (P-V) @ 632.8nm:</b><br>3 Rings                                                           |
| <b>Irregularity (P-V) @ 632.8nm:</b><br>0.5 Rings                                                  |
| <b>Focal Length Tolerance (%):</b><br>±1                                                           |
| <b>Centering (arcmin):</b><br><1                                                                   |
| <b>Center Thickness CT (mm):</b><br>2.90 ±0.05                                                     |
| <b>Edge Thickness ET (mm):</b><br>2.10                                                             |
| <b>Radius R<sub>1</sub> (mm):</b><br>22.92                                                         |
| <b>Clear Aperture CA (mm):</b><br>11                                                               |
| <b>f/#:</b><br>4.17                                                                                |
| <b>Numerical Aperture NA:</b><br>0.12                                                              |
| <b>Type:</b><br>Plano-Convex Lens                                                                  |
| <b>Bevel:</b><br>Protective bevel as needed                                                        |
| <b>Wavelength Range (nm):</b><br>400 - 700                                                         |
| <b>Damage Threshold, By Design:</b> <input type="checkbox"/><br>10 J/cm <sup>2</sup> @ 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>             |