

TECHSPEC<sup>®</sup> 12.7mm Dia. x 40.0mm FL, MgF<sub>2</sub> Coated, Plano-Convex Lens



Stock **#38-246** 3-5 DAYS

[Other Coating Options](#)



1



A\$54.40

ADD TO CART

Qty 1-9

A\$54.40

Qty 10+

A\$48.80

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):  
12.70 +0.0/-0.025

Effective Focal Length EFL (mm):  
40.00 @ 587.6nm

|                                                                                                    |
|----------------------------------------------------------------------------------------------------|
| <b>Back Focal Length BFL (mm):</b><br>38.48                                                        |
| <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="#">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>2.30 ±0.10                                                     |
| <b>Edge Thickness ET (mm):</b><br>1.30                                                             |
| <b>Radius R<sub>1</sub> (mm):</b><br>20.67                                                         |
| <b>Clear Aperture CA (mm):</b><br>11.7                                                             |
| <b>f/#:</b><br>3.15                                                                                |
| <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 - 700                                                         |
| <b>Damage Threshold, Reference:</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>             |