

TECHSPEC<sup>®</sup> 9.0mm Dia. x -27 FL, VIS-NIR, UV Plano-Concave Lens



UV Fused Silica Plano-Concave (PCV) Lenses



Stock #21-048 3-5 DAYS

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-

1

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Diameter (mm):  
9.00 +0.0/-0.025

Effective Focal Length EFL (mm):

|                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------|
| -27.00                                                                                                                                            |
| <b>Substrate:</b> <a href="#">Fused Silica</a> (Coming 7980)                                                                                      |
| <b>f#:</b><br>3.00                                                                                                                                |
| <b>Numerical Aperture NA:</b><br>0.17                                                                                                             |
| <b>Coating:</b><br>VIS-NIR (400-1000nm)                                                                                                           |
| <b>Type:</b><br>Plano-Concave Lens                                                                                                                |
| <b>Wavelength Range (nm):</b><br>400 - 1000                                                                                                       |
| <b>Back Focal Length BFL (mm):</b><br>-28.42                                                                                                      |
| <b>Center Thickness CT (mm):</b><br>2.00                                                                                                          |
| <b>Center Thickness Tolerance (mm):</b><br>±0.05                                                                                                  |
| <b>Centering (arcmin):</b><br><1                                                                                                                  |
| <b>Clear Aperture CA (mm):</b><br>8.1                                                                                                             |
| <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>Edge Thickness ET (mm):</b><br>2.73                                                                                                            |
| <b>Focal Length Specification Wavelength (nm):</b><br>587.6                                                                                       |
| <b>Focal Length Tolerance (%):</b><br>±1                                                                                                          |
| <b>Note:</b><br>Max. Flat Annulus is 0.3mm                                                                                                        |
| <b>Radius R<sub>1</sub> (mm):</b><br>-12.40                                                                                                       |
| <b>Surface Quality:</b><br>40-20                                                                                                                  |
| <b>Damage Threshold, Reference:</b> <a href="#">View</a><br>5 J/cm² @ 532nm, 10ns                                                                 |
| <b>Power (P-V) @ 632.8nm:</b><br>1.5λ                                                                                                             |
| <b>Irregularity (P-V) @ 632.8nm:</b><br>λ/4                                                                                                       |

## 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>             |