

**TECHSPEC®** 9mm Dia. x 18mm FL, NIR I Coated, Plano-Convex Lens



UV Fused Silica Plano-Convex (PCX) Lenses



Stock **#18-030** ☒ In Stock

⊖ 1 ⊕

€137,50

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Qty 1-5

€137,50

Qty 6+

€110,00

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Diameter (mm):  
9.00 -0.025

Effective Focal Length EFL (mm):

|                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 18.00 @ 587.6nm                                                                                                                                    |
| <b>Back Focal Length BFL (mm):</b><br>15.94                                                                                                        |
| <b>Coating:</b><br>NIR I (600-1050nm)                                                                                                              |
| <b>Coating Specification:</b><br>R <sub>avg</sub> ≤0.5% @ 600 - 1050nm                                                                             |
| <b>Substrate:</b> <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>3.00 ±0.05                                                                                                     |
| <b>Edge Thickness ET (mm):</b><br>1.66                                                                                                             |
| <b>Radius R<sub>1</sub> (mm):</b><br>8.25                                                                                                          |
| <b>Clear Aperture CA (mm):</b><br>8                                                                                                                |
| <b>f/#:</b><br>2                                                                                                                                   |
| <b>Numerical Aperture NA:</b><br>0.25                                                                                                              |
| <b>Type:</b><br>Plano-Convex Lens                                                                                                                  |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                                        |
| <b>Wavelength Range (nm):</b><br>600 - 1050                                                                                                        |
| <b>Damage Threshold, Reference:</b> <br>7 J/cm² @ 1064nm, 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>             |