

**TECHSPEC® 50mm Dia. x 100mm FL 1064nm V-Coat, Fused Silica PCX Lens**



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1  **C\$420.00**

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| Qty 1-5                       |
| C\$420.00                     |
| Qty 6+                        |
| C\$336.00                     |
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**Diameter (mm):**  
50.00 +0.0/-0.025

**Effective Focal Length EFL (mm):**  
100.00 @587.6nm

|                                                                                           |
|-------------------------------------------------------------------------------------------|
| <b>Back Focal Length BFL (mm):</b><br>93.84                                               |
| <b>Coating:</b><br>Laser V-Coat (1064nm)                                                  |
| <b>Coating Specification:</b><br>R <sub>abs</sub> <0.25% @ 1064nm                         |
| <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>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>9.00 ±0.10                                            |
| <b>Edge Thickness ET (mm):</b><br>1.58                                                    |
| <b>Radius R<sub>1</sub> (mm):</b><br>45.85                                                |
| <b>Clear Aperture CA (mm):</b><br>49                                                      |
| <b>f/#:</b><br>2.00                                                                       |
| <b>Numerical Aperture NA:</b><br>0.25                                                     |
| <b>Design Wavelength DWL (nm):</b><br>1064                                                |
| <b>Type:</b><br>Plano-Convex Lens                                                         |
| <b>Bevel:</b><br>Protective bevel as needed                                               |
| <b>Edges:</b><br>Fine Ground, Protective Bevel as Needed                                  |
| <b>Damage Threshold, By Design:</b> <input type="checkbox"/><br>5 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>             |