

TECHSPEC<sup>®</sup> 50mm Dia. x 200mm FL 405nm V-Coat, UV PCX Lens



TECHSPEC 405nm Laser Line Coated Fused Silica PCXLenses



Stock **#34-081** 3-5 DAYS

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-

1

+

A\$472.00

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Qty 1-5

A\$472.00

Qty 6+

A\$377.60

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Diameter (mm):  
50.00 +0.0/-0.025

Effective Focal Length EFL (mm):

|                                                                                                  |
|--------------------------------------------------------------------------------------------------|
| 200.00 @587.6nm                                                                                  |
| <b>Back Focal Length BFL (mm):</b><br>195.19                                                     |
| <b>Coating:</b><br>Laser V-Coat (405nm)                                                          |
| <b>Coating Specification:</b><br>R <sub>abs</sub> <0.25% @ 405nm                                 |
| <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>7.00 ±0.10                                                   |
| <b>Edge Thickness ET (mm):</b><br>3.53                                                           |
| <b>Radius R<sub>1</sub> (mm):</b><br>91.69                                                       |
| <b>Clear Aperture CA (mm):</b><br>49                                                             |
| <b>f/#:</b><br>4.00                                                                              |
| <b>Numerical Aperture NA:</b><br>0.13                                                            |
| <b>Design Wavelength DWL (nm):</b><br>405                                                        |
| <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>3 J/cm <sup>2</sup> @405nm, 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>             |