

## TECHSPEC® 50.0mm Diameter x 175.0mm FL, 405nm V-Coat, PCX Lens



633nm Laser Line Coated Plano-Convex (PCX) Lenses



Stock #69-361 10 TO 12 DAYS

[Other Coating Options](#)

⊖ 1 ⊕ **₹5,916**

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Qty 1-9

₹5,916

Qty 10+

₹5,329

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**Diameter (mm):**  
50.00 +0.0/-0.025

**Effective Focal Length EFL (mm):**  
175.00 @ 587.6nm

**Back Focal Length BFL (mm):**  
169.05

**Coating:**  
Laser V-Coat (405nm)

**Coating Specification:**  
R<sub>abs</sub> <0.25% @ 405nm

**Substrate:**   
[N-BK7](#)

**Surface Quality:**  
40-20

**Power (P-V) @ 632.8nm:**  
1.5λ

**Irregularity (P-V) @ 632.8nm:**  
λ/4

**Focal Length Tolerance (%):**  
±1

**Centering (arcmin):**  
<1

**Center Thickness CT (mm):**  
9.00 ±0.10

**Edge Thickness ET (mm):**  
5.48

**Radius R<sub>1</sub> (mm):**  
90.44

**Clear Aperture CA (mm):**  
49

**f#:**  
3.5

**Numerical Aperture NA:**  
0.14

**Design Wavelength DWL (nm):**  
405

**Type:**  
Plano-Convex Lens

**Bevel:**  
Protective bevel as needed

**Damage Threshold, By Design:**   
3 J/cm<sup>2</sup> @ 405nm, 10ns

## Regulatory Compliance

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

**Reach 235:**  
[Compliant](#)

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