

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



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



Stock **#69-361** 3-5 DAYS

[Other Coating Options](#)

⊖ 1 ⊕

A\$108.80

ADD TO CART

Qty 1-9

A\$108.80

Qty 10+

A\$98.00

Volume Pricing

[Request Quote](#)

Get Product Downloads



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 _{abs} <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 R₁ (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/cm² @ 405nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant