

TECHSPEC® 50mm Dia. x 150mm FL 405nm V-Coat, UV PCX Lens



TECHSPEC 405nm Laser Line Coated Fused Silica PCXLenses



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C\$413.00

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Diameter (mm):
50.00 +0.0/-0.025

Effective Focal Length EFL (mm):

150.00 @587.6nm
Back Focal Length BFL (mm): 145.20
Coating: Laser V-Coat (405nm)
Coating Specification: R _{abs} <0.25% @ 405nm
Substrate: ☐ Fused Silica (Corning 7980)
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): 7.00 ±0.10
Edge Thickness ET (mm): 2.29
Radius R₁ (mm): 68.77
Clear Aperture CA (mm): 49
f/#: 3.00
Numerical Aperture NA: 0.17
Design Wavelength DWL (nm): 405
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Edges: Fine Ground, Protective Bevel as Needed
Damage Threshold, By Design: ☐ 3 J/cm ² @405nm, 10ns

Regulatory Compliance

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