

TECHSPEC®

25.0mm Diameter x 85.0mm FL, 633nm V-Coat, PCX Lens



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



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Diameter (mm):
25.00 +0.0/-0.025

Effective Focal Length EFL (mm):

85.00 @ 587.6nm
Back Focal Length BFL (mm): 82.17
Coating: Laser V-Coat (633nm)
Coating Specification: R _{abs} <0.25% @ 633nm
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): 4.30 ±0.10
Edge Thickness ET (mm): 2.48
Radius R₁ (mm): 43.93
Clear Aperture CA (mm): 24
f/#: 3.4
Numerical Aperture NA: 0.15
Design Wavelength DWL (nm): 633
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Damage Threshold, By Design: ☐ 5 J/cm² @ 633nm, 10ns

Regulatory Compliance

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