

TECHSPEC®

25mm Dia. x 100mm FL 1064nm V-Coat, Fused Silica PCX Lens



Stock #34-143

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+

₹13,485.00

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Diameter (mm):
25.00 +0.0/-0.025

Effective Focal Length EFL (mm):
100.00 @587.6nm

Back Focal Length BFL (mm): 97.40
Coating: Laser V-Coat (1064nm)
Coating Specification: R _{abs} <0.25% @ 1064nm
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): 3.79 ±0.10
Edge Thickness ET (mm): 2.05
Radius R₁ (mm): 45.85
Clear Aperture CA (mm): 24
f/#: 4.00
Numerical Aperture NA: 0.13
Design Wavelength DWL (nm): 1064
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Edges: Fine Ground, Protective Bevel as Needed
Damage Threshold, By Design: ☐ 5 J/cm² @ 1064nm, 10ns

Regulatory Compliance

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