

25.4mm Square x 100 FL, 261.4nm AR Coated, Laser Grade PCX Cylinder Lens



Stock #19-744 CLEARANCE ☐ In Stock

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Effective Focal Length EFL (mm):
100.00

Substrate: ☐
[Fused Silica](#) (Corning 7980)

f/#:
4

Numerical Aperture NA:
0.08

Coating:
Laser V-Coat (261.4nm)

Type: Cylinder Lens, Plano-Convex
Back Focal Length BFL (mm): 97.39
Bevel: Protective bevel as needed
Center Thickness CT (mm): 3.80
Center Thickness Tolerance (mm): ±0.1
Clear Aperture CA (mm): 22.86 x 22.86
Coating Specification: R _{abs} <0.25% @ 261.4nm
Design Wavelength DWL (nm): 261.4
Dimensional Tolerance (mm): +0.0/-0.025
Dimensions (mm): 25.4 x 25.4
Edge Thickness ET (mm): 2.01
Focal Length Specification Wavelength (nm): 587.6
Radius R ₁ (mm): 45.85
Surface Quality: 20-10
Damage Threshold, By Design: 3 J/cm² @ 266nm, 20ns, 20Hz
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Plano Axis Wedge (arcmin): <3
Power Axis Wedge (arcmin): <5
Axial Twist (arcmin): <3

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View