

25.4mm Square x 50 FL, 261.4nm AR Coated, Laser Grade PCX Cylinder Lens



Stock **#19-743** CLEARANCE 10 TO 12 DAYS

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Effective Focal Length EFL (mm):
50.00

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

f/#:
2

Numerical Aperture NA:
0.17

Coating:
Laser V-Coat (261.4nm)

Type: Cylinder Lens, Plano-Convex	
Back Focal Length BFL (mm): 46.58	
Bevel: Protective bevel as needed	
Center Thickness CT (mm): 5.00	
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): 1.16	
Focal Length Specification Wavelength (nm): 587.6	
Radius R ₁ (mm): 22.93	
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): <4.5	
Axial Twist (arcmin): <3	

Regulatory Compliance

RoHS: Compliant	
Certificate of Conformance: View	