

TECHSPEC® 12.7 x 12.7mm x 50mm FL, UV-VIS Laser Grade PCX Cylinder Lens



TECHSPEC Beam Shaping Fused Silica Cylinder Lenses

Stock **#36-107** ☐ In Stock

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1

+

C\$221.20

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Qty 1-5

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Effective Focal Length EFL (mm):
50.00

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

f/#:
4

Numerical Aperture NA: 0.125
Coating: UV-VIS (250-700nm)
Type: Cylinder Lens, Plano-Convex
Wavelength Range (nm): 350 - 700
Back Focal Length BFL (mm): 47.95
Bevel: Protective bevel as needed
Center Thickness CT (mm): 3.00
Center Thickness Tolerance (mm): ±0.1
Clear Aperture CA (mm): 11.43 x 11.43
Coating Specification: R _{abs} ≤1.0% @ 350 - 450nm R _{avg} ≤1.5% @ 250 - 700nm
Dimensional Tolerance (mm): +0.0/-0.025
Dimensions (mm): 12.7 x 12.7
Edge Thickness ET (mm): 2.1
Radius R₁ (mm): 22.93
Surface Quality: 20-10
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 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant