

TECHSPEC® 12.7 x 12.7mm x -50mm FL, VIS 0° Laser Grade PCV Cylinder Lens



TECHSPEC Beam Shaping Fused Silica Cylinder Lenses

Stock **#36-103** ☐ 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/#:
1.00

Numerical Aperture NA: 0.50
Coating: VIS 0° (425-675nm)
Type: Cylinder Lens, Plano-Concave
Wavelength Range (nm): 425 - 675
Back Focal Length BFL (mm): -52.06
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 _{avg} ≤0.4% @ 425 - 675nm
Dimensional Tolerance (mm): +0.0/-0.025
Dimensions (mm): 12.7 x 12.7
Edge Thickness ET (mm): 3.81
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