

TECHSPEC® 12.7mm Square x 50 FL, 532nm AR Coated, Laser Grade PCX Cylinder Lens



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1

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C\$308.00

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Effective Focal Length EFL (mm):
50.00

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

f/#:
4

Numerical Aperture NA:

0.125
Coating: Laser V-Coat (532nm)
Type: Cylinder Lens, Plano-Convex
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} <0.25% @ 532nm
Design Wavelength DWL (nm): 532
Dimensional Tolerance (mm): +0.0/-0.025
Dimensions (mm): 12.7 x 12.7
Edge Thickness ET (mm): 2.1
Focal Length Specification Wavelength (nm): 587.6
Radius R₁ (mm): 22.93
Surface Quality: 20-10
Damage Threshold, By Design: ☐ 10 J/cm ² @ 532nm, 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 2015: Compliant
Reach 209: Compliant
Certificate of Conformance: View