

TECHSPEC® 12.7 x 12.7mm x -50mm FL, NIR II Imaging Grade PCV Cylinder Lens



TECHSPEC® Beam Shaping PCV Cylinder Lenses

Stock **#35-017** ☐ In Stock

-

1

+

C\$133.00

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Qty 1-5

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C\$106.40

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Effective Focal Length EFL (mm):
-50.00

Substrate: ☐
[N-BK7](#)

f/#:
4

Numerical Aperture NA: 0.13
Coating: NIR II (750-1550nm)
Type: Cylinder Lens, Plano-Concave
Wavelength Range (nm): 750 - 1550
Back Focal Length BFL (mm): -51.65
Bevel: Protective bevel as needed
Center Thickness CT (mm): 2.50
Center Thickness Tolerance (mm): ±0.1
Clear Aperture CA (mm): 11.43 x 11.43
Coating Specification: R _{abs} ≤1.5% @ 750 - 800nm R _{abs} ≤1.0% @ 800 - 1550nm R _{avg} ≤0.7% @ 750 - 1550nm
Dimensional Tolerance (mm): +0.0/-0.025
Dimensions (mm): 12.7 x 12.7
Edge Thickness ET (mm): 3.24
Radius R₁ (mm): 25.84
Surface Quality: 40-20
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Plano Axis Wedge (arcmin): <5
Power Axis Wedge (arcmin): <5
Axial Twist (arcmin): <3

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant