

TECHSPEC® 12.7 x 12.7mm x 50mm FL, NIR I Imaging Grade PCX Cylinder Lens



Stock **#34-998** ☐ In Stock

1 **C\$140.00**

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Effective Focal Length EFL (mm):
50.00

Substrate: ☐
[N-BK7](#)

f/#: 8.00
Numerical Aperture NA: 0.13
Coating: NIR I (600-1050nm)
Type: Cylinder Lens, Plano-Convex
Wavelength Range (nm): 600 - 1050
Back Focal Length BFL (mm): 48.68
Bevel: Protective bevel as needed
Center Thickness CT (mm): 2.00
Center Thickness Tolerance (mm): ±0.1
Clear Aperture CA (mm): 11.43 x 11.43
Coating Specification: R _{avg} ≤0.5% @ 600 - 1050nm
Dimensional Tolerance (mm): +0.0/-0.025
Dimensions (mm): 12.7 x 12.7
Edge Thickness ET (mm): 1.21
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