

TECHSPEC®

12.0mm Dia. x 50mm FL, NIR II, Inked, Plano-Convex Lens



Stock **#38-395-INK** 10-15 DAYS
[Other Coating Options](#)

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1

+

A\$82.40

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Qty 1-9
A\$82.40
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Diameter (mm):
12.00 ±0.025

Effective Focal Length EFL (mm):
50.00 @ 587.6nm

Back Focal Length BFL (mm): 48.75
Coating: NIR II (750-1550nm)
Coating Specification: R _{abs} ≤1.5% @ 750 - 800nm R _{abs} ≤1.0% @ 800 - 1550nm R _{avg} ≤0.7% @ 750 - 1550nm
Substrate: ☐ N-BK7
Surface Quality: 40-20
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Focal Length Tolerance (%): ±1
Centering (arcmin): <1
Center Thickness CT (mm): 1.90 ±0.05
Edge Thickness ET (mm): 1.19
Radius R₁ (mm): 25.84
Clear Aperture CA (mm): 11
f#: 4.17
Numerical Aperture NA: 0.12
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 750 - 1550
Damage Threshold, By Design: ☐ 8 J/cm ² @ 1064nm, 10ns

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View