

TECHSPEC®

50.0mm Dia. x 250.0mm FL, NIR I, Inked, Plano-Convex Lens



Stock #48-802-INK

10-15 DAYS

[Other Coating Options](#)

-

1

+

A\$112.80

ADD TO CART

Qty 1-9
A\$112.80
Qty 10+
A\$101.60
Volume Pricing
Request Quote

Get Product Downloads



Diameter (mm):
50.00 ±0.025

Effective Focal Length EFL (mm):
250.00 @587.6nm

Back Focal Length BFL (mm): 246.74
Coating: NIR I (600-1050nm)
Coating Specification: R_{avg} ≤0.5% @ 600 - 1050nm
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): 4.94 ±0.10
Edge Thickness ET (mm): 2.50
Radius R₁ (mm): 129.21
Clear Aperture CA (mm): 49
f/#: 5
Numerical Aperture NA: 0.10
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 600 - 1050
Damage Threshold, By Design: 7 J/cm² @ 1064nm, 10ns

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View