

TECHSPEC® 50mm Diameter x -100 FL, NIR I, Inked, Plano-Concave Lens



Stock **#49-538-INK** 3-5 DAYS

[Other Coating Options](#)

- 1 +

C\$105.00

ADD TO CART

Qty 1-9
C\$105.00
Qty 10+
C\$94.50
Volume Pricing
Request Quote

Get Product Downloads



Diameter (mm):
50.00 ±0.025

Effective Focal Length EFL (mm):
-100.00

Substrate: N-BK7
f#: 2.00
Numerical Aperture NA: 0.25
Coating: NIR I (600-1050nm)
Type: Plano-Concave Lens
Wavelength Range (nm): 600 - 1050
Back Focal Length BFL (mm): -103.30
Bevel: Protective bevel as needed
Center Thickness CT (mm): 5.00
Center Thickness Tolerance (mm): ±0.10
Centering (arcmin): <1
Clear Aperture CA (mm): 49.00
Coating Specification: R_{avg} ≤0.5% @ 600 - 1050nm
Edge Thickness ET (mm): 11.23
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Radius R₁ (mm): -51.68
Surface Quality: 40-20
Damage Threshold, By Design: 7 J/cm² @ 1064nm, 10ns
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View