

TECHSPEC[®] 12.0mm Dia. x 50mm FL, VIS-NIR, Inked, Plano-Convex Lens



Stock **#38-496-INK** 3-5 DAYS

[Other Coating Options](#)

-

1

+

C\$75.60

ADD TO CART

Qty 1-9

C\$75.60

Qty 10+

C\$67.90

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):
12.00 ±0.025

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

Back Focal Length BFL (mm): 48.75
Coating: VIS-NIR (400-1000nm)
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm
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): 400 - 1000
Damage Threshold, By Design: ☐ 5 J/cm ² @ 532nm, 10ns

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View