

TECHSPEC®

12.7mm Dia. x 50.8mm FL, NIR II Coated, Plano-Convex Lens



Stock #67-514 3-5 DAYS

[Other Coating Options](#)



1



A\$64.80

ADD TO CART

Qty 1-9
A\$64.80
Qty 10+
A\$58.40
Volume Pricing
Request Quote

Get Product Downloads



Diameter (mm):
12.70 +0.0/-0.025

Effective Focal Length EFL (mm):
50.80 @ 587.6nm

Back Focal Length BFL (mm): 49.15
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): 2.50 ±0.10
Edge Thickness ET (mm): 1.72
Radius R₁ (mm): 26.25
Clear Aperture CA (mm): 11.7
f#: 4
Numerical Aperture NA: 0.13
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 750 - 1550
Damage Threshold, Reference: ☐ 8 J/cm ² @ 1064nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant