

TECHSPEC®

18mm Dia. x 36mm FL, NIR II, Inked, Double-Convex Lens



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1

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€53,50

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Diameter (mm):
18.00 ±0.025

Back Focal Length BFL (mm):

34.59
Effective Focal Length EFL (mm): 36.00
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
Centering (arcmin): <1
Center Thickness CT (mm): 4.80
Center Thickness Tolerance (mm): ±0.10
Edge Thickness ET (mm): 2.55
Radius R ₁ =R ₂ (mm): 36.6
Clear Aperture CA (mm): 17.00
f/#: 2.00
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1.00
Numerical Aperture NA: 0.25
Type: Double-Convex Lens
Wavelength Range (nm): 750 - 1550
Damage Threshold, By Design: ☐ 8 J/cm ² @ 1064nm, 10ns

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View