

TECHSPEC®

50mm Dia. x 100mm FL, NIR I Coated, Double-Convex Lens



Stock **#49-509** 3-4 DAYS
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1

+

€65,00

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Qty 1-9
€65,00
Qty 10+
€58,50
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Diameter (mm):
50.00 +0.0/-0.025

Back Focal Length BFL (mm):

96.65
Effective Focal Length EFL (mm): 100.00
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
Centering (arcmin): <1
Bevel: Protective bevel as needed
Center Thickness CT (mm): 10.00
Center Thickness Tolerance (mm): ±0.10
Edge Thickness ET (mm): 3.76
Radius R₁=R₂ (mm): 101.63
Clear Aperture CA (mm): 49.00
f/#: 2.00
Focal Length Specification Wavelength (nm): 587.6
Numerical Aperture NA: 0.25
Type: Double-Convex Lens
Wavelength Range (nm): 600 - 1050
Damage Threshold, By Design: ☐ 7 J/cm ² @ 1064nm, 10ns

Regulatory Compliance

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