

TECHSPEC®

4.5mm Dia. x 4.5mm FL, NIR II Coated, Double-Convex Lens



Stock **#67-594** 3-5 DAYS

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- 1 +

A\$100.00

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Qty 1-9
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Diameter (mm):
4.50 +0.0/-0.025

Back Focal Length BFL (mm):
3.70

Effective Focal Length EFL (mm): 4.50
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-LASF44
Surface Quality: 40-20
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Centering (arcmin): 30-45, typical
Center Thickness CT (mm): 2.60
Center Thickness Tolerance (mm): ±0.05
Edge Thickness ET (mm): 1.80
Radius R₁=R₂ (mm): 6.58
Clear Aperture CA (mm): 4.05
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, Reference: ☐ 8 J/cm² @ 1064nm, 10ns

Regulatory Compliance

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