

TECHSPEC®

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



Stock **#47-893**

3-4 DAYS

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1

+

£55.25

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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: VIS-NIR (400-1000nm)
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870 nm R _{avg} ≤1.25% @ 890 - 1000nm
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
Bevel: Protective bevel as needed
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/#: 1.00
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Numerical Aperture NA: 0.50
Type: Double-Convex Lens
Wavelength Range (nm): 400 - 1000
Damage Threshold, By Design: ☐ 5 J/cm ² @ 532nm, 10ns

Regulatory Compliance

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