

25.4mm Dia. x 100mm FL, Uncoated, ISP Optics Calcium Fluoride (CaF₂) DCX Lens | CF-BX-25-100

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Calcium Fluoride Double-Convex (DCX) Lenses

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£223.55

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Diameter (mm):
25.40 +0.00/-0.13

Effective Focal Length EFL (mm):
100.00

Coating:
Uncoated

Substrate: Calcium Fluoride (CaF₂)
Surface Quality: 60-40
Clear Aperture (%): 90.00
Centering (arcmin): <3
Bevel: Protective bevel as needed
Center Thickness CT (mm): 4.10
Center Thickness Tolerance (mm): ±0.2
Edge Thickness ET (mm): 2.00
Radius R₁=R₂ (mm): 79.07
Back Focal Length BFL (mm) @ DWL: 98.36
Effective Focal Length EFL @ 0.6328μm (mm): 92.05
Effective Focal Length EFL @ 1.064μm (mm): 92.99
Effective Focal Length EFL @ 2.94μm (mm): 95.25
Effective Focal Length EFL @ 5.0μm (mm): 100.00
f/#: 3.94
Focal Length Specification Wavelength (μm): 5.00
Focal Length Tolerance (%): ±2 @DWL
Numerical Aperture NA: 0.13
Surface Accuracy: 1λ
Type: Double-Convex Lens
Wavelength Range (μm): 0.35 - 7
Wavelength Range (nm): 350 - 7000
Model Number: CF-BX-25-100

Regulatory Compliance

RoHS 2015: Compliant
Reach 209: Compliant
Certificate of Conformance: View