

25.4mm Dia. x 50.8mm FL, Uncoated, ISP Optics Calcium Fluoride (CaF₂) DCX Lens | CF-BX-25-50

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Calcium Fluoride Double-Convex (DCX) Lenses

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C\$368.20

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Diameter (mm):
25.40 +0.00/-0.13

Effective Focal Length EFL (mm):
50.80

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) : 6.20
Center Thickness Tolerance (mm) : ±0.2
Edge Thickness ET (mm) : 2.00
Radius R₁=R₂ (mm) : 39.61
Back Focal Length BFL (mm) @ DWL : 48.51
Effective Focal Length EFL @ 0.6328μm (mm) : 46.86
Effective Focal Length EFL @ 1.064μm (mm) : 47.33
Effective Focal Length EFL @ 2.94μm (mm) : 48.47
Effective Focal Length EFL @ 5.0μm (mm) : 50.80
f/# : 2.00
Focal Length Specification Wavelength (μm) : 5.00
Focal Length Tolerance (%) : ±2 @ DWL
Numerical Aperture NA : 0.25
Surface Accuracy : 1λ
Type : Double-Convex Lens
Wavelength Range (μm) : 0.35 - 7
Wavelength Range (nm) : 350 - 7000
Model Number : CF-BX-25-50

Regulatory Compliance

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