

# 25.4mm Dia. x 50.8mm FL, Uncoated, ISP Optics Calcium Fluoride (CaF<sub>2</sub>) DCX Lens | CF-BX-25-50

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Calcium Fluoride Double-Convex (DCX) Lenses

Stock **#47-057** 10 TO 12 DAYS

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1

+

₹22,881.00

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Diameter (mm):  
25.40 +0.00/-0.13

Effective Focal Length EFL (mm):  
50.80

Coating:  
Uncoated

|                                                                      |
|----------------------------------------------------------------------|
| <b>Substrate:</b> <a href="#">Calcium Fluoride (CaF<sub>2</sub>)</a> |
| <b>Surface Quality:</b><br>60-40                                     |
| <b>Clear Aperture (%)</b> :<br>90.00                                 |
| <b>Centering (arcmin)</b> :<br><3                                    |
| <b>Bevel:</b><br>Protective bevel as needed                          |
| <b>Center Thickness CT (mm)</b> :<br>6.20                            |
| <b>Center Thickness Tolerance (mm)</b> :<br>±0.2                     |
| <b>Edge Thickness ET (mm)</b> :<br>2.00                              |
| <b>Radius R<sub>1</sub>=R<sub>2</sub> (mm)</b> :<br>39.61            |
| <b>Back Focal Length BFL (mm) @DWL</b> :<br>48.51                    |
| <b>Effective Focal Length EFL @ 0.6328μm (mm)</b> :<br>46.86         |
| <b>Effective Focal Length EFL @ 1.064μm (mm)</b> :<br>47.33          |
| <b>Effective Focal Length EFL @ 2.94μm (mm)</b> :<br>48.47           |
| <b>Effective Focal Length EFL @ 5.0μm (mm)</b> :<br>50.80            |
| <b>f/#</b> :<br>2.00                                                 |
| <b>Focal Length Specification Wavelength (μm)</b> :<br>5.00          |
| <b>Focal Length Tolerance (%)</b> :<br>±2 @DWL                       |
| <b>Numerical Aperture NA</b> :<br>0.25                               |
| <b>Surface Accuracy</b> :<br>1λ                                      |
| <b>Type</b> :<br>Double-Convex Lens                                  |
| <b>Wavelength Range (μm)</b> :<br>0.35 - 7                           |
| <b>Wavelength Range (nm)</b> :<br>350 - 7000                         |
| <b>Model Number</b> :<br>CF-BX-25-50                                 |

Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Reach 209:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |