

38.1mm Dia. x 38.1mm FL, Uncoated, ISP Optics Calcium Fluoride (CaF<sub>2</sub>) DCX Lens | CF-BX-38-38

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Calcium Fluoride Double-Convex (DCX) Lenses

Stock **#24-766** CLEARANCE CONTACT US

-

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+

S\$613<sup>83</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | S\$613.83 each                |
| Qty 10+        | S\$552.60 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Double-Convex Lens

Type:

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| CF-BX-38-38                          | Model Number:                       |
| Physical & Mechanical Properties     |                                     |
| 38.10 +0.00/-0.13                    | Diameter (mm):                      |
| <3                                   | Centering (arcmin):                 |
| Protective as needed                 | Bevel:                              |
| 17.70 ±0.20                          | Center Thickness CT (mm):           |
| 2.50                                 | Edge Thickness ET (mm):             |
| 34.29                                | Clear Aperture CA (mm):             |
| Optical Properties                   |                                     |
| 38.10 @ 5µm                          | Effective Focal Length EFL (mm):    |
| Uncoated                             | Coating:                            |
| Calcium Fluoride (CaF <sub>2</sub> ) | Substrate: <input type="checkbox"/> |
| 60-40                                | Surface Quality:                    |
| λ                                    | Irregularity (P-V) @ 632.8nm:       |
| 27.61                                | Radius R <sub>1</sub> (mm):         |
| 27.61                                | Radius R <sub>2</sub> (mm):         |
| 1.00                                 | f/#:                                |
| ±2                                   | Focal Length Tolerance (%):         |
| 0.5                                  | Numerical Aperture NA:              |
| 300 - 8000                           | Wavelength Range (nm):              |
| Regulatory Compliance                |                                     |
| Compliant                            | RoHS 2015:                          |
| View                                 | Certificate of Conformance:         |
| Compliant                            | Reach 240:                          |

## PRODUCT DETAILS

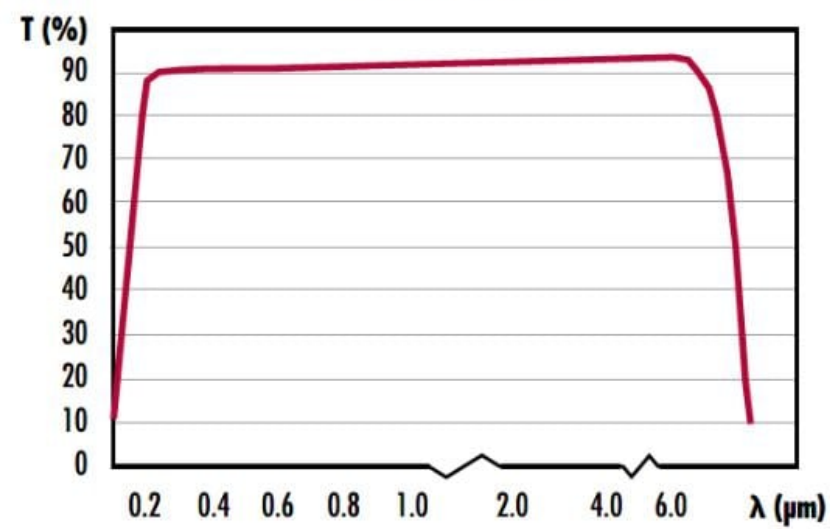
- Greater than 90% Transmission from 350nm-7µm
- Low Index of Refraction
- High Laser Damage Threshold

ISP Optics Calcium Fluoride Double-Convex (DCX) Lenses are ideal for finite imaging applications requiring high transmission in the infrared wavelength spectrum. Calcium Fluoride features greater than 90% transmission from 350nm to 7µm and a low refractive index, allowing it to be used without an antireflective coating. In addition, its low absorption and high damage threshold makes it a popular choice for use with excimer lasers. ISP Optics Calcium Fluoride Double-Convex (DCX) Lenses offer low solubility and superior hardness compared to other fluoride-based substrates, allowing for use in harsh environments.

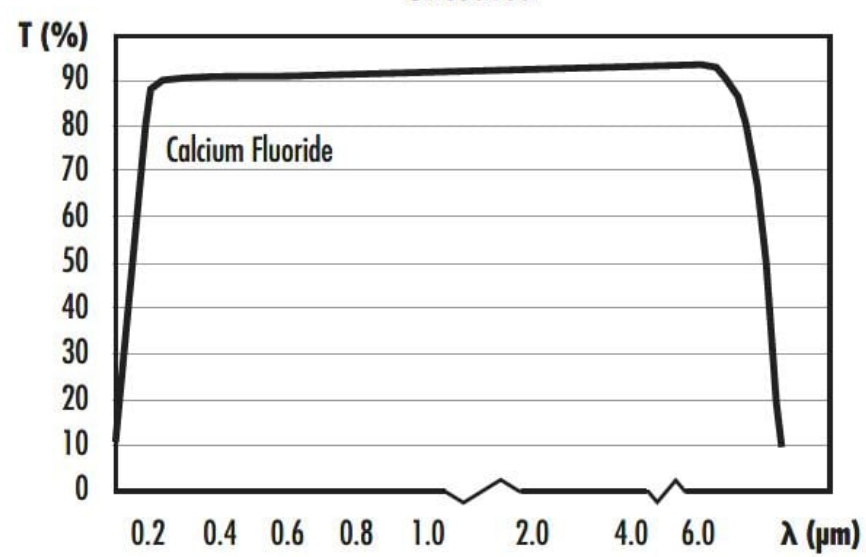
## TECHNICAL INFORMATION



**Calcium Fluoride**



**Uncoated**



## SPECIAL HANDLING

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



**Component Handling Tools**