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12.7mm Dia. x 25.4mm FL, Uncoated, ISP Optics Calcium Fluoride (CaF₂) DCX Lens | CF-BX-12-25

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Calcium Fluoride Double-Convex (DCX) Lenses

Stock #24-763 CLEARANCE **1 In Stock**

MRP ₹14,730

1 Price inclusive of all taxes

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Volume Pricing	
Qty 1-9	₹14,730 each
Qty 10+	₹13,317 each
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General

Double-Convex Lens **Type:**

CF-BX-12-25 **Model Number:**

Physical & Mechanical Properties

12.70 +0.00/-0.13	Diameter (mm):
<3	Centering (arcmin):
Protective as needed	Bevel:
3.60 ±0.20	Center Thickness CT (mm):
1.50	Edge Thickness ET (mm):
11.43	Clear Aperture CA (mm):

Optical Properties

25.40 @ 5µm	Effective Focal Length EFL (mm):
Uncoated	Coating:
Calcium Fluoride (CaF₂)	Substrate: <input type="checkbox"/>
60-40	Surface Quality:
λ	Irregularity (P-V) @ 632.8nm:
19.77	Radius R₁ (mm):
19.77	Radius R₂ (mm):
2.00	f#:
±2	Focal Length Tolerance (%):
0.25	Numerical Aperture NA:
300 - 8000	Wavelength Range (nm):

Regulatory Compliance

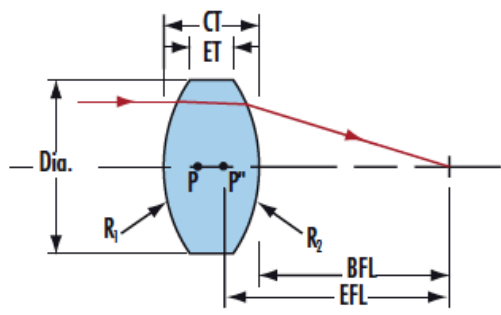
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:
Latvia	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

Product Details

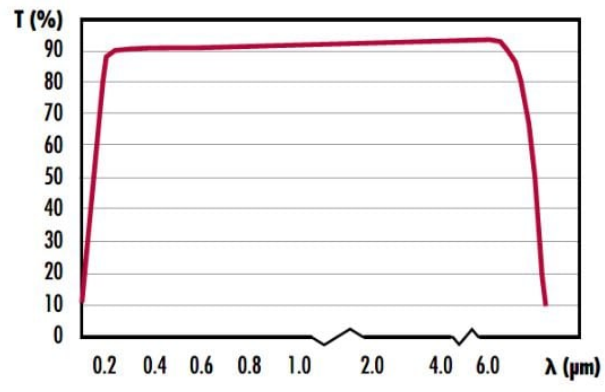
- Greater than 90% Transmission from 350nm-7µm
- Low Index of Refraction
- High Laser Damage Threshold

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.

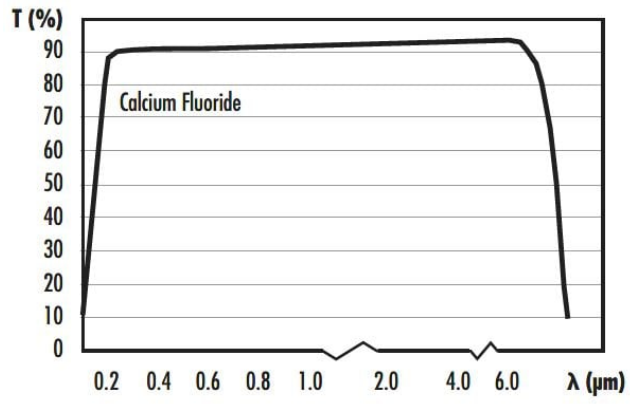
Technical Information



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