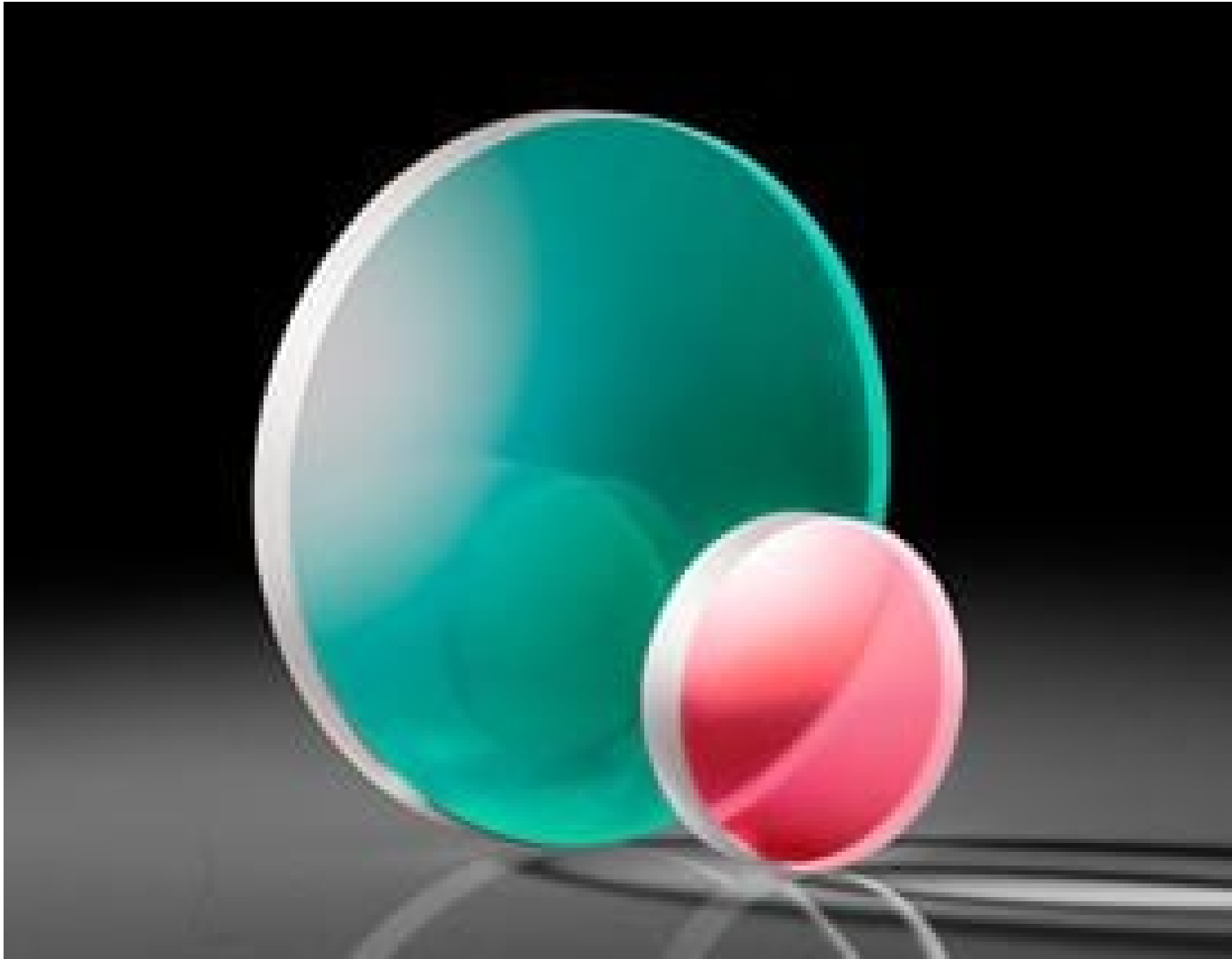


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# 25.4mm Dia. x 150mm FL, Uncoated, ISP Optics Calcium Fluoride (CaF<sub>2</sub>) PCX Lens | CF-PX-25-150

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Stock **#24-799** CLEARANCE CONTACT US

-

1

+

S\$296<sup>00</sup>

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| Qty 1+         | S\$296.80 each                |
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Product Downloads

| General           |               |
|-------------------|---------------|
| Plano-Convex Lens | Type:         |
| CF-PX-25-150      | Model Number: |

| Physical & Mechanical Properties |                |
|----------------------------------|----------------|
| 25.40 +0.00/-0.13                | Diameter (mm): |

|                      |                           |
|----------------------|---------------------------|
| <3                   | Centering (arcmin):       |
| 3.40 ±0.20           | Center Thickness CT (mm): |
| 3.40                 | Edge Thickness ET (mm):   |
| 22.86                | Clear Aperture CA (mm):   |
| Protective as needed | Bevel:                    |

Optical Properties

|                                      |                                  |
|--------------------------------------|----------------------------------|
| 150.00 @5µm                          | Effective Focal Length EFL (mm): |
| Uncoated                             | Coating:                         |
| Calcium Fluoride (CaF <sub>2</sub> ) | Substrate: □                     |
| 60-40                                | Surface Quality:                 |
| λ                                    | Irregularity (P-V) @ 632.8nm:    |
| ±2                                   | Focal Length Tolerance (%):      |
| 59.98                                | Radius R <sub>1</sub> (mm):      |
| 5.91                                 | f##:                             |
| 0.08                                 | 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 0.35-7µm
- Low Index of Refraction
- Ideal for Integration into Infrared Systems

ISP Optics Calcium Fluoride Plano-Convex (PCX) Lenses provide greater than 90% transmission from 350nm to 7µm and feature a low refractive index, allowing them to be used without an Anti-Reflection (AR) coating. Calcium Fluoride features a high laser damage threshold and low stress birefringence, making them highly suitable for integration into infrared systems. Additionally, calcium fluoride features low solubility and offers superior hardness to comparable fluoride-based substrates, making these PCX lenses capable of withstanding harsh environments and exposure to the elements. ISP Optics Calcium Fluoride Plano-Convex (PCX) Lenses are ideal for demanding applications that require superior performance from the visible through the mid-wave infrared (MMR) spectra.

## 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