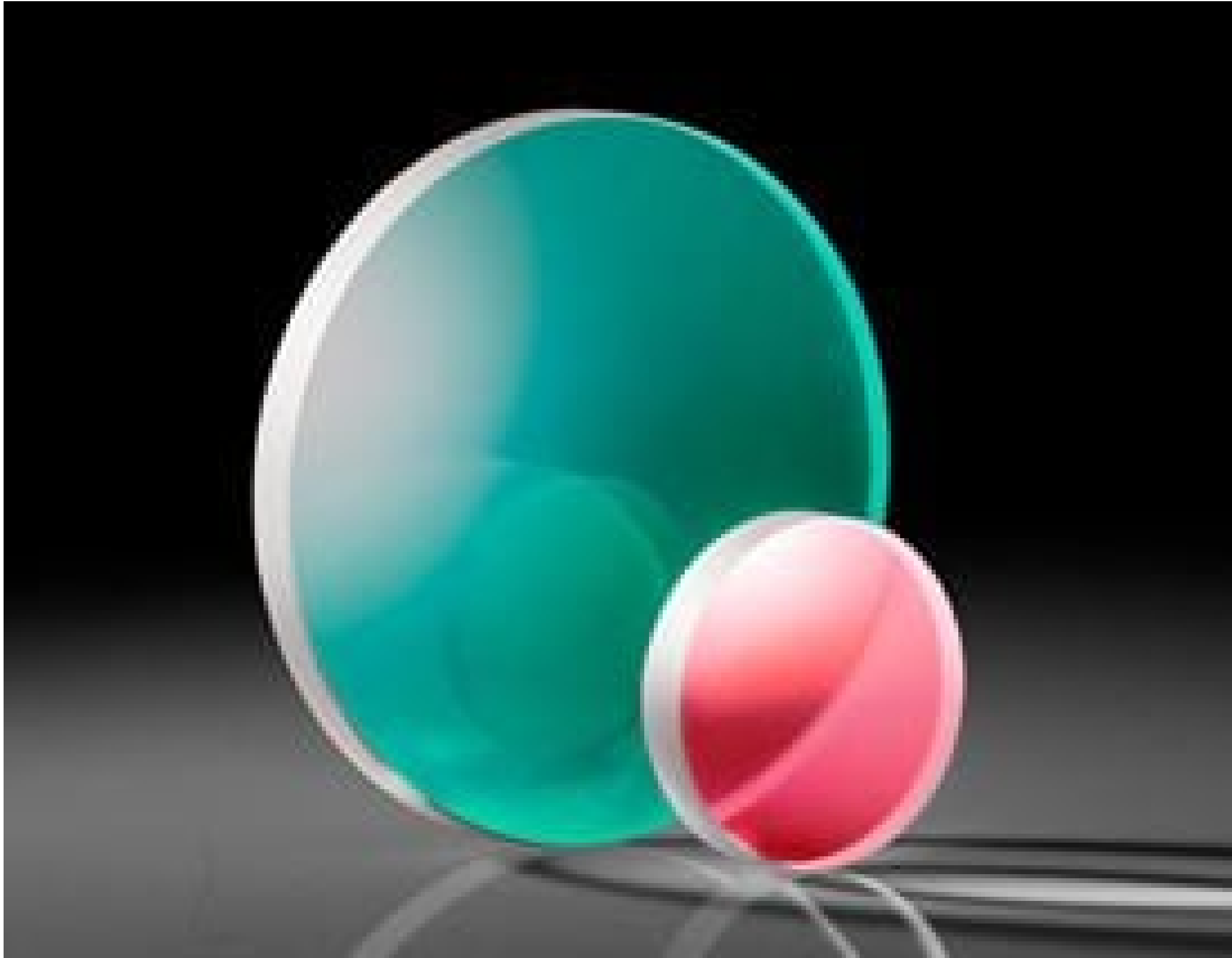


38.1mm Dia. x 250mm FL, Uncoated, ISP Optics Calcium Fluoride (CaF<sub>2</sub>) PCX Lens | CF-PX-38-250

See More by [ISP Optics](#)



Stock **#24-810** CLEARANCE **3 In Stock**

-

1

+

€143<sup>15</sup>

€286,29

ADD TO CART

| Volume Pricing |                                        |
|----------------|----------------------------------------|
| Qty 1+         | <del>€286,29</del> <b>€143,15</b> each |
| Need More?     | <a href="#">Request Quote</a>          |

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Plano-Convex Lens

Type:

|                                      |                                  |
|--------------------------------------|----------------------------------|
| CF-PX-38-250                         | Model Number:                    |
| Physical & Mechanical Properties     |                                  |
| 38.10 +0.00/-0.13                    | Diameter (mm):                   |
| <3                                   | Centering (arcmin):              |
| 3.80 ±0.20                           | Center Thickness CT (mm):        |
| 3.80                                 | Edge Thickness ET (mm):          |
| 34.29                                | Clear Aperture CA (mm):          |
| Protective as needed                 | Bevel:                           |
| Optical Properties                   |                                  |
| 250.00 @ 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 (%):      |
| 100.00                               | Radius R <sub>1</sub> (mm):      |
| 6.56                                 | 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 (MWR) 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