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TECHSPEC<sup>®</sup> 25.4mm Dia. x 15.0mm FL, Uncoated, ZnSe Aspheric Lens

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TECHSPEC Zinc Selenide (ZnSe) Aspheric Lenses

Stock **#39-472** **3 In Stock**

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-

1

+

€1.250<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €1.250,00 each                |
| Qty 11-25      | €1.125,00 each                |
| Qty 26-49      | €1.065,00 each                |
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**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Aspheric Lens

Type:

Physical & Mechanical Properties

25.40 +0.00/-0.10

Diameter (mm):

|                      |                           |
|----------------------|---------------------------|
| ≤3                   | Centering (arcmin):       |
| ≤12.7                | Centering, ETD (μm):      |
| 22.86                | Clear Aperture CA (mm):   |
| 1.89                 | Edge Thickness ET (mm):   |
| 5.50 ±0.10           | Center Thickness CT (mm): |
| Protective as needed | Bevel:                    |
| Plano                | Shape of Back Surface:    |
| <50 RMS              | Surface Roughness (□):    |

Optical Properties

|                         |                                      |
|-------------------------|--------------------------------------|
| 15.00                   | Effective Focal Length EFL (mm):     |
| 0.85                    | Numerical Aperture NA:               |
| 12.71                   | Back Focal Length BFL (mm):          |
| Coherent® Infrared ZnSe | Substrate: □                         |
| λ/2                     | Asphere Figure Error, RMS @ 632.8nm: |
| Uncoated                | Coating:                             |
| 40-20                   | Surface Quality:                     |
| 0.59                    | f/#:                                 |
| 600 - 18000             | Wavelength Range (nm):               |
| Infinite                | Conjugate Distance:                  |
| λ/10                    | Power (P-V) @ 632.8nm:               |

Electrical

|      |                       |
|------|-----------------------|
| λ/10 | Power (P-V) @ 10.6μm: |
|------|-----------------------|

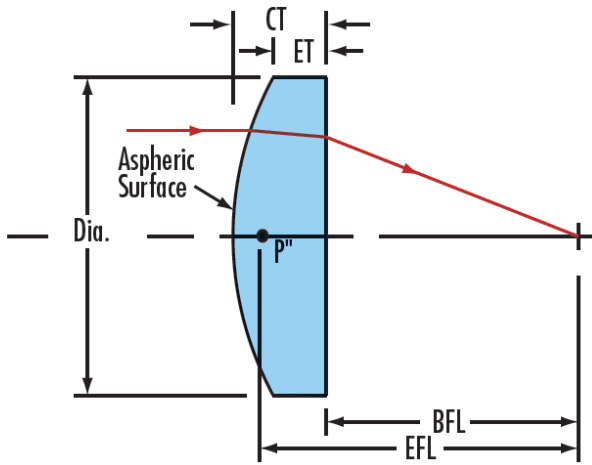
Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| Compliant | Reach 224:                  |
| View      | Certificate of Conformance: |

## Product Details

- Edmund Optics Designed, Coherent® Manufactured
  - Premier Grade ZnSe Material
  - Uncoated or Broadband 8-12μm AR Coating Available
- TECHSPEC® Zinc Selenide (ZnSe) Aspheric Lenses are designed to provide diffraction-limited focusing performance for 10.6μm CO<sub>2</sub> lasers. Manufactured from Coherent® Infrared ZnSe material featuring <0.0005 cm<sup>-1</sup> bulk absorption at 10.6μm, these lenses are available uncoated or with a broadband anti-reflection coating providing superior transmission from 8 - 12μm. The precision designs are ideal for integration into laser systems, thermal imaging assemblies, and FTIR devices. TECHSPEC Zinc Selenide Aspheric Lenses feature an irregularity of <λ/20 at 10.6μm, 40-20 surface quality, and <50Å surface roughness.
- Notes:** II-VI Incorporated is now Coherent Corp.
- Special care should be taken when handling Zinc Selenide as it is a toxic material. Always wear rubber or plastic gloves to avoid risk of contamination.

## Technical Information



## 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

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Compatible Mounts