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TECHSPEC<sup>®</sup> 25.4mm Dia. x 12.7mm FL, 8-12μm AR Coated, ZnSe Aspheric Lens

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TECHSPEC Zinc Selenide (ZnSe) Aspheric Lenses

Stock **#39-510** **7 In Stock**

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-

1

+

₹94,199

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | ₹94,199 each                  |
| Qty 11-25      | ₹84,857 each                  |
| Qty 26-49      | ₹80,186 each                  |
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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):   |
| 1.83                 | Edge Thickness ET (mm):   |
| 6.00 ±0.10           | Center Thickness CT (mm): |
| Protective as needed | Bevel:                    |
| Plano                | Shape of Back Surface:    |
| <50 RMS              | Surface Roughness (□):    |

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Optical Properties                |                                      |
| 12.70                             | Effective Focal Length EFL (mm):     |
| 1.00                              | Numerical Aperture NA:               |
| 10.21                             | Back Focal Length BFL (mm):          |
| Coherent® Infrared ZnSe           | Substrate: □                         |
| λ/2                               | Asphere Figure Error, RMS @ 632.8nm: |
| BBAR (8000-12000nm)               | Coating:                             |
| R <sub>avg</sub> <0.5% @ 8 - 12μm | Coating Specification:               |
| 40-20                             | Surface Quality:                     |
| 0.5                               | f/#:                                 |
| 8000 - 12000                      | 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: |
| Singapore                           | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

## Product Details

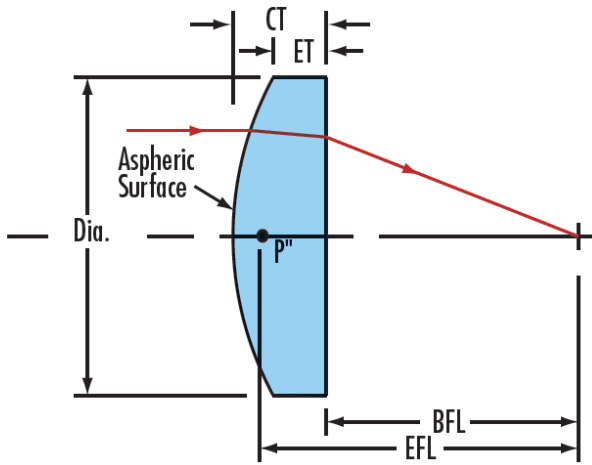
- Edmund Optics Designed, Coherent® Manufactured
- Premier Grade ZnSe Material
- Uncoated or Broadband 8-12μm AR Coating Available

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