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TECHSPEC®

25.4mm Dia. x 20.0mm FL, 8-12µm AR Coated, ZnSe Aspheric Lens

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TECHSPEC Zinc Selenide (ZnSe) Aspheric Lenses

Stock **#39-515** **8 In Stock**

[Other Coating Options](#)

-

1

+

£1,032⁰⁰

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Volume Pricing	
Qty 1-10	£1,032.00 each
Qty 11-25	£928.00 each
Qty 26-49	£876.00 each
Need More?	Request Quote

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):
2.23	Edge Thickness ET (mm):
5.00 ±0.10	Center Thickness CT (mm):
Protective as needed	Bevel:
Plano	Shape of Back Surface:
<50 RMS	Surface Roughness (□):

Optical Properties	
20.00	Effective Focal Length EFL (mm):
0.64	Numerical Aperture NA:
17.92	Back Focal Length BFL (mm):
Coherent® Infrared ZnSe	Substrate: □
λ/2	Asphere Figure Error, RMS @ 632.8nm:
BBAR (8000-12000nm)	Coating:
R _{avg} <0.5% @ 8 - 12μm	Coating Specification:
40-20	Surface Quality:
0.78	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:

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](#).

Product Details

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

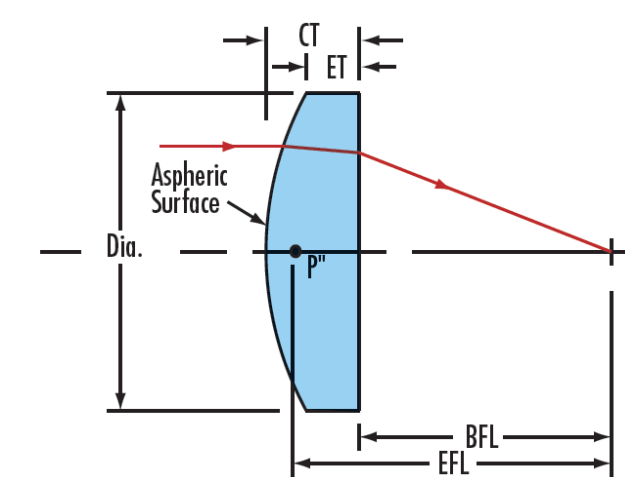
TECHSPEC® Zinc Selenide (ZnSe) Aspheric Lenses are designed to provide diffraction-limited focusing performance for 10.6μm CO₂ lasers. Manufactured from Coherent® Infrared ZnSe material featuring <0.0005 cm⁻¹ bulk absorption at 10.6μm, these lenses are available uncoated or with a broadband anti-reflection 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

Compatible Mounts