

TECHSPEC[®] 25.4mm Dia. x 12.7mm FL, Uncoated, ZnSe Aspheric Lens

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TECHSPEC Zinc Selenide (ZnSe) Aspheric Lenses

Stock **#39-471** 3-4 DAYS

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-

1

+

€1.145^{.00}

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Qty 1-10
€1.145,00
Qty 11+
€1.037,00
Volume Pricing
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! Prices shown are exclusive of VAT/local taxes

Product Downloads



SPECIFICATIONS

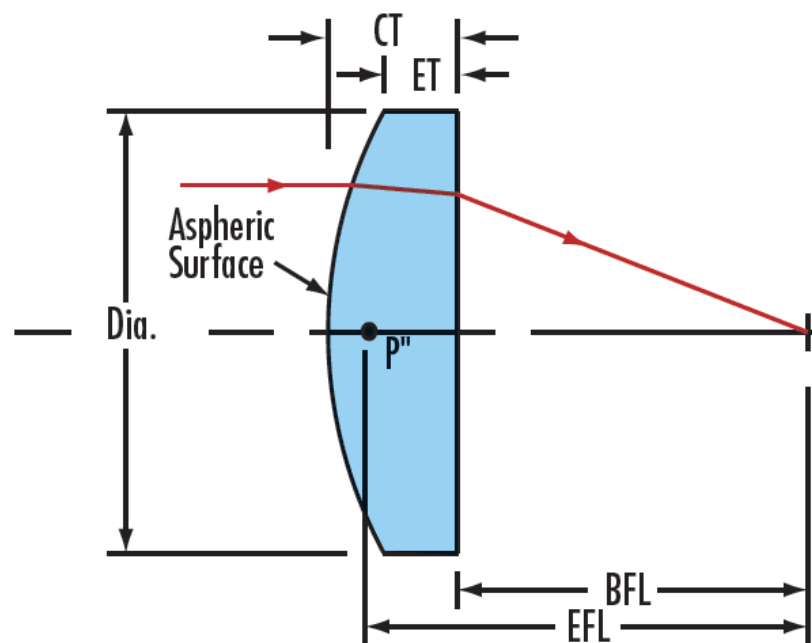
General

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 bevel 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:
Uncoated	Coating:
40-20	Surface Quality:
0.5	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 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



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