

25.4mm Dia. x 304.8mm FL, 1 - 12μm BBAR Coated, ISP Optics Xtra-Wide Wavelength ZnSe Lens | AR112-ZC-XWL-25-300

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Stock **#24-981**

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-

1

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₹89,550

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SPECIFICATIONS

General

Model Number:

Physical & Mechanical Properties

25.40 +0.00/-0.13	Diameter (mm):
<25	Centering, ETD (μm):
22.86	Clear Aperture CA (mm):
3.30	Edge Thickness ET (mm):
3.50 ±0.20	Center Thickness CT (mm):
Protective bevel as needed	Bevel:
Concave	Shape of Back Surface:
<100 Ra	Surface Roughness (□):

Optical Properties

304.80	Effective Focal Length EFL (mm):
0.04	Numerical Aperture NA:
307.57	Back Focal Length BFL (mm):
Zinc Selenide (ZnSe), CVD Grade	Substrate: □
BBAR (1000-12000nm)	Coating:
R _{avg} <4.5% @ 1 - 12μm R _{abs} <8% @ 1 - 12μm	Coating Specification:
60-40	Surface Quality:
12.00	f/#:
1000 - 12000	Wavelength Range (nm):
Infinite	Conjugate Distance:
λ/2	Irregularity (P-V) @ 632.8nm:

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:

PRODUCT DETAILS

- Designed for Small Spot Sizes Between 1 - 12μm
- BBAR Coating Covering the NIR - LWIR from 1 - 12μm
- Low Absorption and Dispersion

ISP Optics Zinc Selenide (ZnSe) Aspheric Lenses are designed to provide small spot sizes across the entire wavelength range of 1 - 12μm. The zinc selenide (ZnSe) substrates provide low absorption and dispersion, as well as transmission from the visible to infrared spectra, allowing for the use of visible guide lasers. A broadband anti-reflection coating increases the transmission of these lenses across the entire 1 - 12μm, providing broadband performance for both infrared imaging applications and applications using multiple infrared laser lines. ISP Optics Zinc Selenide (ZnSe) Aspheric Lenses are ideal for use as scanning lenses in optical coherence tomography imaging (OCT) imaging systems, or as focusing lenses with fiber, CO₂, or MMR laser sources.

Note: 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.