

12.7mm Dia. x 50.8mm FL, Uncoated, ISP Optics Zinc Selenide (ZnSe) Meniscus Lens | ZC-PM-12-50

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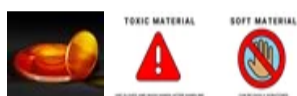


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General

Type: Meniscus Lens	Model Number: ZC-PM-12-50
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Physical & Mechanical Properties

Diameter (mm): 12.70 +0.00/-0.13	Center Thickness CT (mm): 1.80 ±0.20
Centering (arcmin): <3	Clear Aperture (%): 90
Clear Aperture CA (mm): 11.43	Edge Thickness ET (mm): 1.50

Optical Properties

Effective Focal Length EFL (mm): 50.80 @ 10.6µm	Substrate: Zinc Selenide (ZnSe), CVD Grade
f/#: 4.00	Numerical Aperture NA: 0.13
Coating: Uncoated	Wavelength Range (nm): 600 - 18000
Focal Length Tolerance (%): ±2	Radius R₁ (mm): 107.65
Radius R₂ (mm): 42.85	Surface Quality: 60-40
Irregularity (P-V) @ 10.6µm: λ/20	

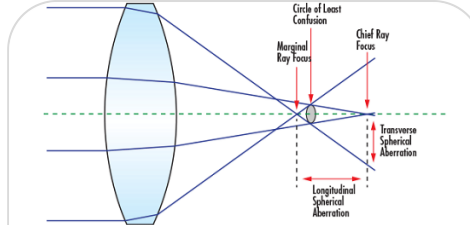
Regulatory Compliance

RoHS 2015: Compliant	Certificate of Conformance: View
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APPLICATION NOTE

Lens Geometry Performance Comparison



APPLICATION NOTE

Advantages of Using Meniscus Lenses in...

SPIE.

SCIENTIFIC PAPER

Advantages of using engineered chalcogenide...

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