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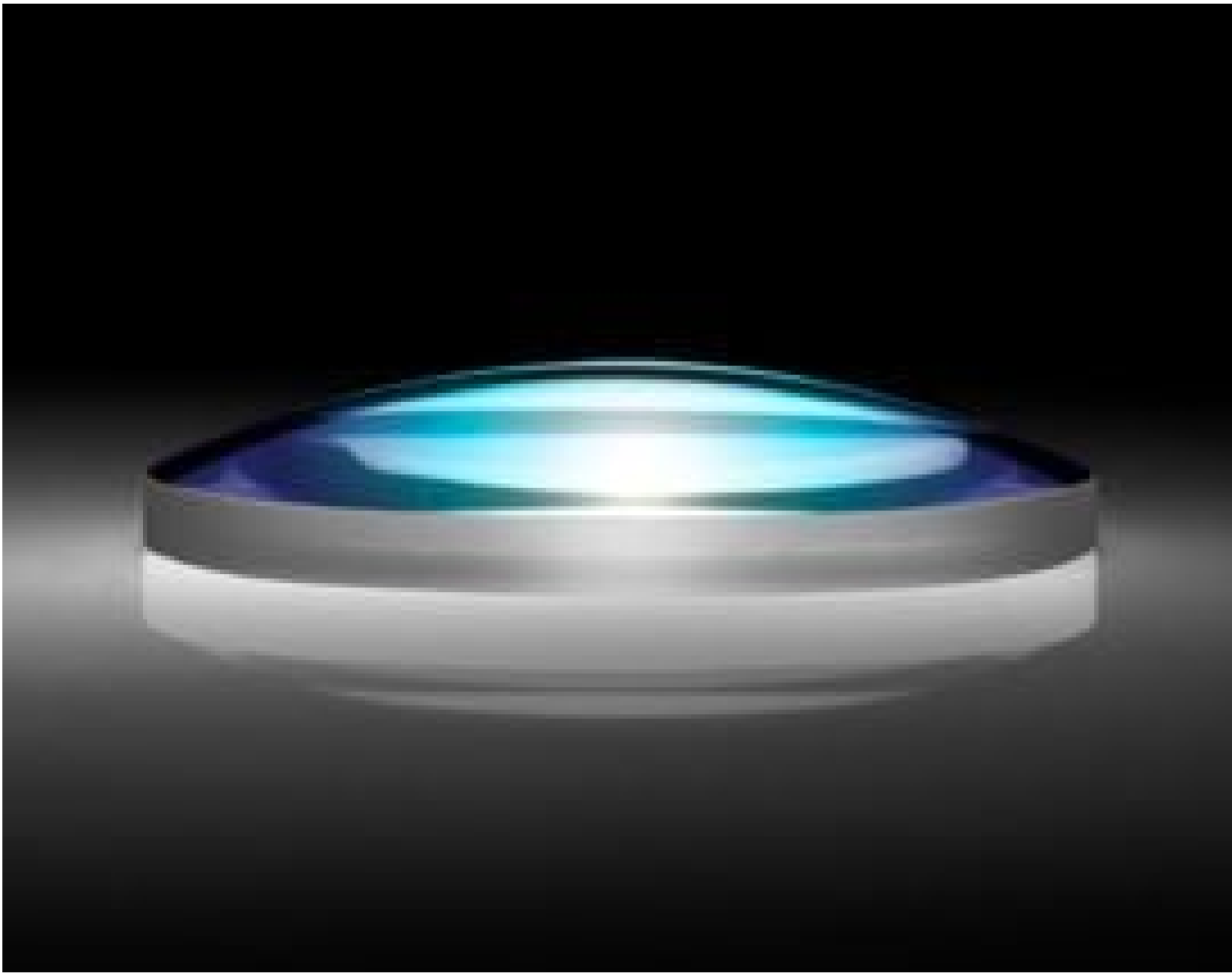
25.4mm Dia x 100mm FL, Uncoated Meniscus Lens



Stock **#72-430** **13 In Stock**

- 1 + **A$44.80**

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Qty 1-9	**A$44.80** each
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Qty 25-49	**A$36.00** each
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General

Type:
Meniscus Lens

Physical & Mechanical Properties

Diameter (mm):
25.40 +0.00/-0.10

Center Thickness CT (mm):
3.60 ±0.10

Centering (arcmin):
<3

Clear Aperture CA (mm):
22.86

Edge Thickness ET (mm):
1.89

Optical Properties

Effective Focal Length EFL (mm):
100.00 @ 587.6nm

Substrate:
N-BK7

f/#:
3.94

Numerical Aperture NA:
0.13

Coating:
Uncoated

Back Focal Length BFL (mm):
95.72 @ 587.6nm

Design Wavelength DWL (nm):
587.6

Radius R_1 (mm):
28.67

Radius R_2 (mm):
61.628

Surface Quality:
40-20

Power (P-V) @ 632.8nm:
3 Rings

Irregularity (P-V) @ 632.8nm:
0.5 Rings

Regulatory Compliance

Certificate of Conformance:
View

Product Details

- Positive Meniscus Lens Designs
- Minimize Spherical Aberration and Reduce Spot Sizes
- 350 – 2,200nm Wavelength Range

Positive Meniscus Lenses are convex-concave lenses manufactured from N-BK7 optical glass and are designed to minimize spherical aberration and reduce spot sizes in focusing applications. When used to focus a collimated beam, the lenses should be oriented with the convex surface towards to light source to minimize spherical aberration. Combining a positive meniscus lens with another lens in a multi-element optical design will allow for a shortening of the focal length and an increase in the numerical aperture (NA) of a system without introducing significant spherical aberrations. Positive Meniscus Lenses are available with focal lengths ranging from 100 to 300mm in 25.4mm diameters sizes. allowing for easy integration into benchtop systems.