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## 25.4mm Dia x 300mm FL, Uncoated Meniscus Lens



Stock #72-434 **20+ In Stock**

- 1 + ₹1,946

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### Volume Pricing

Qty 1-9	₹1,946 each
Qty 10-24	₹1,752 each
Qty 25-49	₹1,557 each
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### Product Downloads

### General

Meniscus Lens **Type:**

### Physical & Mechanical Properties

25.40 +0.00/-0.10 **Diameter (mm):**

2.50 ±0.10 **Center Thickness CT (mm):**

Centering (arcmin):

<3

Clear Aperture CA (mm):

22.86

Edge Thickness ET (mm):

1.96

## Optical Properties

Effective Focal Length EFL (mm):

300.00 @ 587.6nm

Substrate:

N-BK7

f#:

11.81

Numerical Aperture NA:

0.04

Coating:

Uncoated

Back Focal Length BFL (mm):

297.07 @ 587.6nm

Design Wavelength DWL (nm):

587.6

Radius R<sub>1</sub> (mm):

87.13

Radius R<sub>2</sub> (mm):

196.972

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](#)

Country of Origin:

China

Imported By:

Edmund Optics India Private Limited

## 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.