

TECHSPEC® 25mm Dia x -50mm FL VIS 0°, Inked, Negative Achromatic Lens



Stock **#62-492-INK** [CONTACT US](#)

☐ [Other Coating Options](#)

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1

+

C\$196^{.00}

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Volume Pricing	
Qty 1-5	C\$196.00 each
Qty 6-25	C\$166.60 each
Qty 26-49	C\$156.80 each
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Product Downloads

General

Type:
Negative Achromatic Lens

Physical & Mechanical Properties

Diameter (mm):
25.00 ±0.025

24.00	Clear Aperture CA (mm):
<1	Centering (arcmin):
6.56 ±0.20	Center Thickness CT (mm):
2.50 ±0.10	Center Thickness CT 1 (mm):
4.06 ±0.10	Center Thickness CT 2 (mm):
9.06	Edge Thickness ET (mm):
Protective as needed	Bevel:

Optical Properties	
-50.00	Effective Focal Length EFL (mm):
±1	Focal Length Tolerance (%):
-53.33	Back Focal Length BFL (mm):
587.6	Focal Length Specification Wavelength (nm):
-35.51	Radius R ₁ (mm):
24.58	Radius R ₂ (mm):
217.99	Radius R ₃ (mm):
N-BAF10 / N-SF10	Substrate: □
40-20	Surface Quality:
2.00	f/#:
0.25	Numerical Aperture NA:
VIS 0° (425-675nm)	Coating:
R _{avg} ≤0.4% @ 425 - 675nm	Coating Specification:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:
425 - 675	Wavelength Range (nm):

Regulatory Compliance	
View	Certificate of Conformance:

Need different specs or modifications?

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](#).

Product Details

- VIS 0° and VIS-NIR Coatings
- 6.25 – 25mm Diameter Options
- [MgF₂ Coated Negative Achromatic Lenses](#) also Available

TECHSPEC® Broadband AR Coated Negative Achromatic Lenses are corrected for color and on-axis aberrations. These lenses, consisting of two optical elements cemented together, are commonly used as Barlow lenses to extend focal lengths. The achromatic lenses are available in various diameter sizes and VIS 0° or VIS-NIR coating options. TECHSPEC® Broadband AR Coated Negative Achromatic Lenses are offered in 6.25 - 25mm diameter options. [MgF₂ Coated Negative Achromatic Lenses](#) are also available.

The diagram illustrates a flat annulus with the following labeled components and dimensions:

- Flat Annulus:** The central blue-shaded region.
- ET:** End thickness, the vertical height of the annulus.
- Dia.:** Diameter, the horizontal width of the annulus.
- R_1 , R_2 , R_3 :** Radii of different sections or points within the annulus.
- P' :** A specific point or pressure location on the annulus.
- EFL:** Effective length, the horizontal distance from the left edge to the center.
- BFL:** Base length, the horizontal distance from the left edge to the right edge.
- $CT_1 + CT_2$:** Combined thickness or distance at the base.
- Red Arrows:** Indicate forces or pressure directions acting on the annulus.

Compatible Mounts