

TECHSPEC® 9mm Dia. x 60mm FL, VIS-NIR, Inked, Achromatic Lens



Stock **#49-319-INK** [CONTACT US](#)

[Other Coating Options](#)

− 1 + €96⁰⁰

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | €96,00 each |
| Qty 6-25 | €77,00 each |
| Qty 26-49 | €72,50 each |
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Achromatic Lens

Type:

Physical & Mechanical Properties

9.00 ±0.025 Diameter (mm):

8.1 Clear Aperture CA (mm):

<1 Centering (arcmin):

5.00 ±0.10 Center Thickness CT (mm):

3.50 ±0.05 Center Thickness CT 1 (mm):

1.50 ±0.05 Center Thickness CT 2 (mm):

4.59 Edge Thickness ET (mm):

Protective as needed Bevel:

Optical Properties

60.00 Effective Focal Length EFL (mm):

±1 Focal Length Tolerance (%):

57.59 Back Focal Length BFL (mm):

587.6 Focal Length Specification Wavelength (nm):

36.51 Radius R₁ (mm):

-26.33 Radius R₂ (mm):

-78.35 Radius R₃ (mm):

[N-BK7](#) / [N-SF5](#) Substrate:

40-20 Surface Quality:

6.67 f#:

0.07 Numerical Aperture NA:

VIS-NIR (400-1000nm) Coating:

Coating Specification:
R_{abs} ≤0.25% @ 880nm
R_{avg} ≤1.25% @ 400 - 870nm
R_{avg} ≤1.25% @ 890 - 1000nm

1.5λ Power (P-V) @ 632.8nm:

N4 Irregularity (P-V) @ 632.8nm:

400 - 1000 Wavelength Range (nm):

Regulatory Compliance

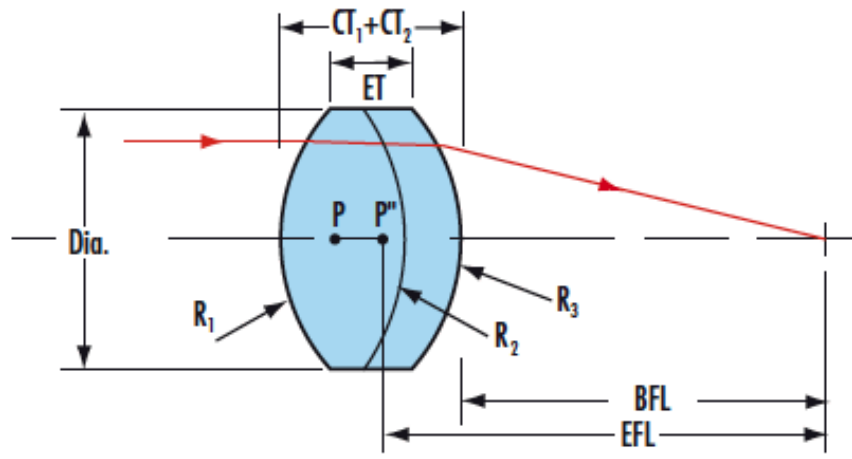
[View](#) Certificate of Conformance:

PRODUCT DETAILS

- Designed for 0° Angle of Incidence
- Less Than 0.25% Reflectance Per Surface @ 880nm
- [MgF₂](#) and [VIS 0°](#) Coated Achromats Also Available

TECHSPEC® VIS-NIR Coated Achromatic Lenses consist of two optical components cemented together to form an achromatic doublet. The doublet is computer optimized to correct for on-axis spherical and chromatic aberrations. TECHSPEC® VIS-NIR Coated Achromatic Lenses have visible/near-infrared broadband anti-reflection coating, which is specially optimized to yield maximum transmission (>99%) in the near-infrared. The achromatic lenses reduce reflection to less than 0.25 percent per surface at 880nm. [Magnesium Fluoride](#) coated and [VIS 0°](#) coated achromats are also available.

TECHNICAL INFORMATION



COATING CURVES

CUSTOM

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](#).

COMPATIBLE MOUNTS