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TECHSPEC® 25mm Dia. x 225mm FL, VIS 0°, Inked, Achromatic Lens

Stock **#47-646-INK** CONTACT US

Other Coating Options

- 1 + C$193.20

ADD TO CART

Volume Pricing	
Qty 1-5	**C$193.20** each
Qty 6-25	**C$154.00** each
Qty 26-49	**C$145.60** each
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Product Downloads

General

Type:

Achromatic Lens

Physical & Mechanical Properties

Diameter (mm):

25.00 ±0.025

Clear Aperture CA (mm):
24.00

Centering (arcmin):
<1

Center Thickness CT (mm):
5.50 ±0.20

Center Thickness CT 1 (mm):
3.00 ±0.10

Center Thickness CT 2 (mm):
2.50 ±0.10

Edge Thickness ET (mm):
4.67

Bevel:
Protective as needed

Optical Properties

Effective Focal Length EFL (mm):
225.00

Focal Length Tolerance (%):
±1

Back Focal Length BFL (mm):
222.69

Focal Length Specification Wavelength (nm):
587.6

Radius R_1 (mm):
139.53

Radius R_2 (mm):
-100.21

Radius R_3 (mm):
-291.32

Substrate:
N-BK7 / N-SF5

Surface Quality:
40-20

f/#:
9.00

Numerical Aperture NA:
0.06

Coating:
VIS 0° (425-675nm)

Coating Specification:
R_{avg} ≤0.4% @ 425 - 675nm

Power (P-V) @ 632.8nm:
1.5λ

Irregularity (P-V) @ 632.8nm:
λ/4

Wavelength Range (nm):
425 - 675

Regulatory Compliance

Certificate of Conformance:
View

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

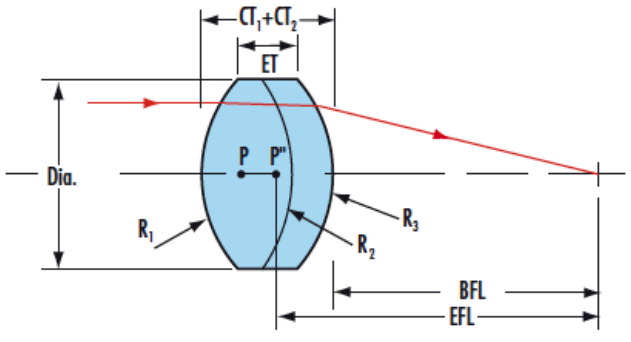
Learn more about our custom manufacturing capabilities or submit an inquiry here.

Product Details

- Designed for 0° Angle of Incidence
- Less Than 0.4% Reflectance Per Surface from 425 - 675nm
- MgF_2 and VIS-NIR Coated Achromats Also Available

TECHSPEC® VIS 0° 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. Achromatic lenses are best for applications involving multi-color (white light) imaging due to their specific doublet lens pairing that enables them to correct the color separation inherent in glass. TECHSPEC® VIS 0° Coated Achromatic Lenses provide optimized transmission for 425 – 675nm, reducing average reflection to 0.4%. MgF2 and VIS-NIR Coated Achromats are also available on our website.

Technical Information



Coating Curves

Compatible Mounts

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