

TECHSPEC® 22mm CA, 35mm FL, Mounted MgF₂ Coated Achromatic Doublet Lens



TECHSPEC® Mounted MgF₂ Coated Achromatic Lenses

Stock **#13-003** CLEARANCE **1 In Stock**

⊖ 1 ⊕ C\$151²⁰

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Volume Pricing	
Qty 1+	C\$151.20 each
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General

Achromatic Lens **Type:**

[#32-319](#) **Lens Included:**

Physical & Mechanical Properties

Protective as needed **Bevel:**

22.0 **Clear Aperture CA (mm):**

9.47 **Edge Thickness ET (mm):**

24.2 **Extension Length (mm):**

28.2 **Total Length (mm):**

Optical Properties

35.00 **Effective Focal Length EFL (mm):**

Substrate:
S-BAH11 / N-SF10

1.4 **f#:**

0.36 **Numerical Aperture NA:**

MgF₂ (400-700nm) **Coating:**

400 - 700 **Wavelength Range (nm):**

22.19 **Back Focal Length BFL from Housing (mm):**

Coating Specification:
R_{avg} ≤ 1.75% @ 400 - 700nm

587.6 **Focal Length Specification Wavelength (nm):**

±2 **Focal Length Tolerance (%):**

24.47 **Radius R₁ (mm):**

-16.49 **Radius R₂ (mm):**

-131.65 **Radius R₃ (mm):**

40-20 **Surface Quality:**

1.5λ **Power (P-V) @ 632.8nm:**

M4 **Irregularity (P-V) @ 632.8nm:**

Threading & Mounting

Mount Included:
#56-354

30.0 **Mount Diameter (mm):**

C-Mount **Thread Type:**

Regulatory Compliance

Certificate of Conformance:
[View](#)

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

- Pre-mounted in Engraved C-Mount Housings
- Simplify Integration into Optical Systems
- Less than 1.75% Reflectance per Surface @ 400 - 700nm
- Also Available [Unmounted](#)

TECHSPEC® Mounted MgF₂ Coated Achromatic Lenses feature our [TECHSPEC MgF₂ Coated Achromatic Lenses](#) pre-mounted in C-Mount housings to simplify their integration into optical systems. Designed for the visible spectrum, these lenses are coated with a single layer MgF₂ anti-reflection coating to increase light transmission. Each C-Mount housing is laser engraved with the stock number and focal length for easy identification. TECHSPEC Mounted MgF₂ Coated Achromatic Lenses are ideal for C-Mount optical systems that require on-axis spherical and chromatic aberrations to be eliminated.

Coating Curves
