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TECHSPEC® 6.25mm Dia x -10mm FL Negative Doublet Lens MgF₂ Coated



Stock **#62-473** **7 In Stock**

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⊖ 1 ⊕ MRP ₹7,617

ⓘ Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹7,617 each
Qty 6-25	₹6,457 each
Qty 26-49	₹6,104 each
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General

Negative Achromatic Lens **Type:**

Physical & Mechanical Properties

6.25 +0.0/-0.025 **Diameter (mm):**

Clear Aperture CA (mm):

5.625

Centering (arcmin):
<3

Center Thickness CT (mm):
3.50 ±0.10

Center Thickness CT 1 (mm):
1.00 ±0.05

Center Thickness CT 2 (mm):
2.50 ±0.05

Edge Thickness ET (mm):
4.19

Bevel:
Protective as needed

Optical Properties

Effective Focal Length EFL (mm):
-10.00

Focal Length Tolerance (%):
±1

Back Focal Length BFL (mm):
-11.92

Focal Length Specification Wavelength (nm):
587.6

Radius R₁ (mm):
-6.55

Radius R₂ (mm):
5.10

Radius R₃ (mm):
89.10

Substrate:
N-BAF10 / N-SF10

Surface Quality:
40-20

f#:
1.6

Numerical Aperture NA:
0.31

Coating:
MgF₂ (400-700nm)

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

Power (P-V) @ 632.8nm:
1.5λ

Irregularity (P-V) @ 632.8nm:
λ/4

Wavelength Range (nm):
400 - 700

Regulatory Compliance

RoHS 2015:
Compliant

Reach 219:
Compliant

Certificate of Conformance:
View

Country of Origin:
Japan

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

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

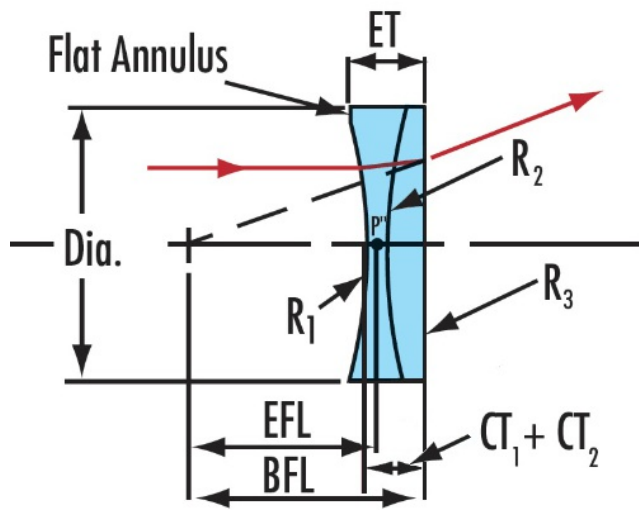
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Magnesium Fluoride (MgF₂) Coating
- Used to Extend Focal Length
- [Broadband AR Coated Negative Achromatic Lenses](#) Also Available

TECHSPEC® MgF₂ Coated Negative Achromatic Lenses consist of two optical elements cemented together. Negative doublet lenses are corrected for color and on-axis aberrations. TECHSPEC MgF₂ Coated Negative Achromatic Lenses are used predominantly as Barlow lenses to extend focal lengths. These lenses are often combined with positive achromatic mirror systems and imaging lenses.

Technical Information



Coating Curves

Compatible Mounts