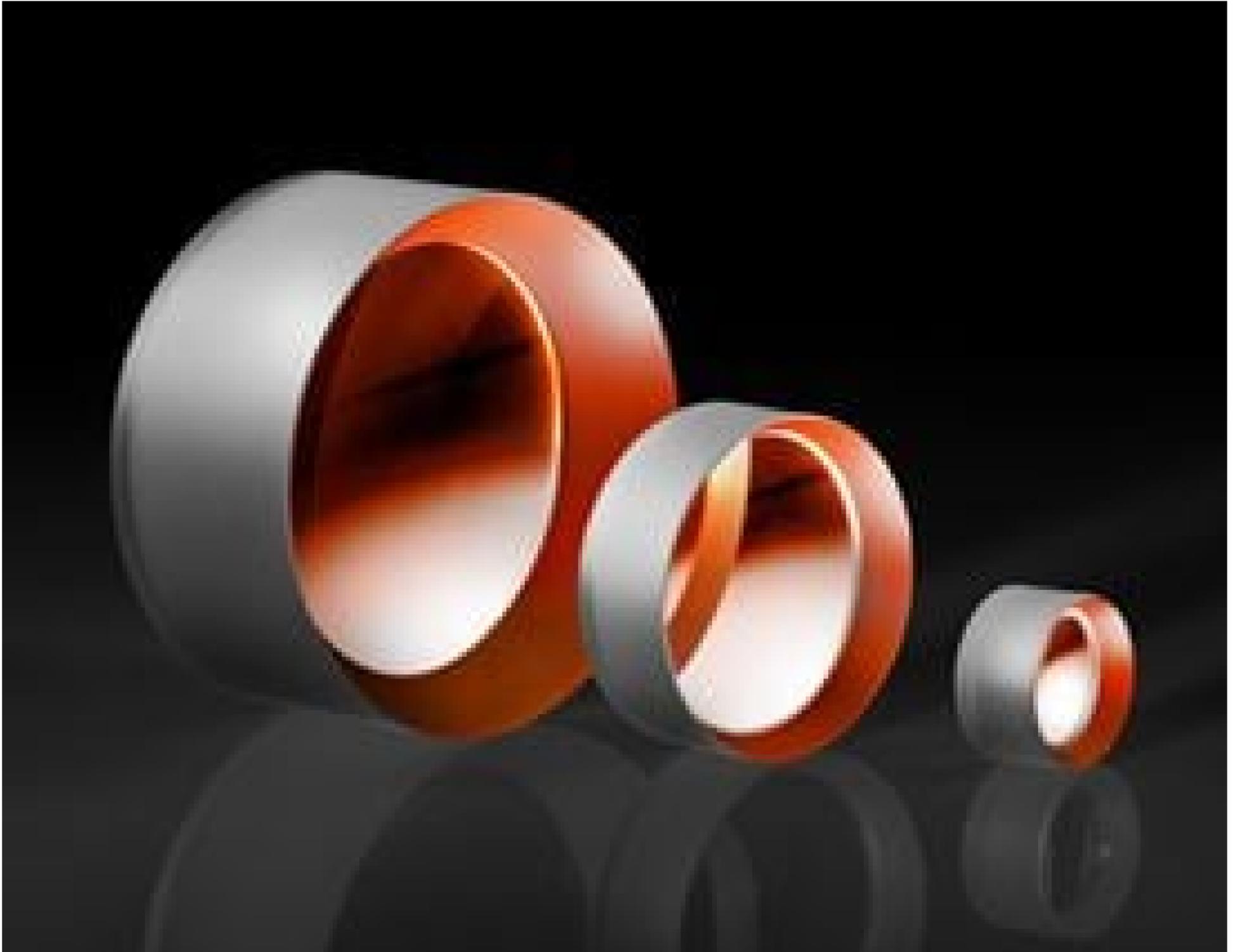


**TECHSPEC® 6.25mm Dia x -10mm FL Negative Doublet Lens MgF<sub>2</sub> Coated**



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

[Other Coating Options](#)

⊖ 1 ⊕ ₹5,333

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹5,333 each
Qty 6-25	₹4,515 each
Qty 26-49	₹4,282 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Negative Achromatic Lens **Type:**

**Physical & Mechanical Properties**

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

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

<3	<b>Centering (arcmin):</b>
3.50 ±0.10	<b>Center Thickness CT (mm):</b>
1.00 ±0.05	<b>Center Thickness CT 1 (mm):</b>
2.50 ±0.05	<b>Center Thickness CT 2 (mm):</b>
4.19	<b>Edge Thickness ET (mm):</b>
Protective as needed	<b>Bevel:</b>

## Optical Properties

-10.00	<b>Effective Focal Length EFL (mm):</b>
±1	<b>Focal Length Tolerance (%):</b>
-11.92	<b>Back Focal Length BFL (mm):</b>
587.6	<b>Focal Length Specification Wavelength (nm):</b>
-6.55	<b>Radius R<sub>1</sub> (mm):</b>
5.10	<b>Radius R<sub>2</sub> (mm):</b>
89.10	<b>Radius R<sub>3</sub> (mm):</b>
<a href="#">N-BAF10 / N-SF10</a>	<b>Substrate:</b> <input type="checkbox"/>
40-20	<b>Surface Quality:</b>
1.6	<b>f#:</b>
0.31	<b>Numerical Aperture NA:</b>
MgF <sub>2</sub> (400-700nm)	<b>Coating:</b>
R <sub>avg</sub> ≤1.75% @400 - 700nm	<b>Coating Specification:</b>
1.5λ	<b>Power (P-V) @ 632.8nm:</b>
λ/4	<b>Irregularity (P-V) @ 632.8nm:</b>
400 - 700	<b>Wavelength Range (nm):</b>

## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">Compliant</a>	<b>Reach 219:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
Japan	<b>Country of Origin:</b>
Edmund Optics India Private Limited	<b>Imported By:</b>

## 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

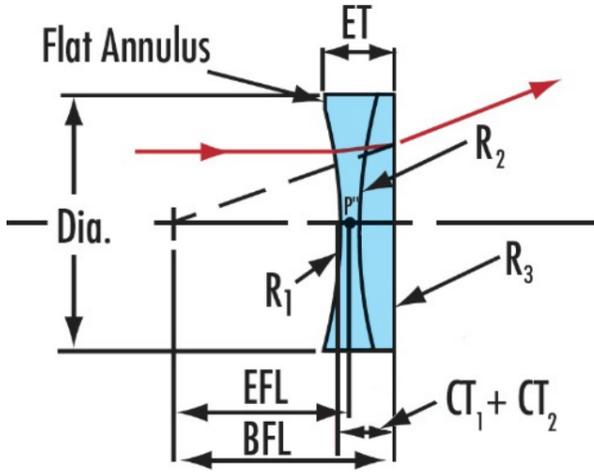
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

- Magnesium Fluoride (MgF<sub>2</sub>) Coating
- Used to Extend Focal Length
- [Broadband AR Coated Negative Achromatic Lenses](#) Also Available

TECHSPEC® MgF<sub>2</sub> Coated Negative Achromatic Lenses consist of two optical elements cemented together. Negative doublet lenses are corrected for color and on-axis aberrations. TECHSPEC MgF<sub>2</sub> 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.

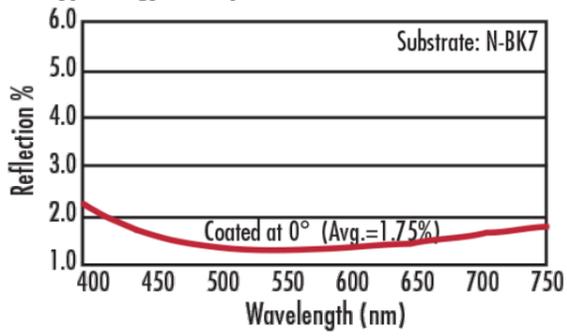
## Technical Information



**MgF<sub>2</sub> Coating**

$R_{avg} \leq 1.75\% @ 400 - 700nm$

Typ. Energy Density Limit: 10 J/cm<sup>2</sup> @ 532nm, 10ns



## Coating Curves

## Compatible Mounts