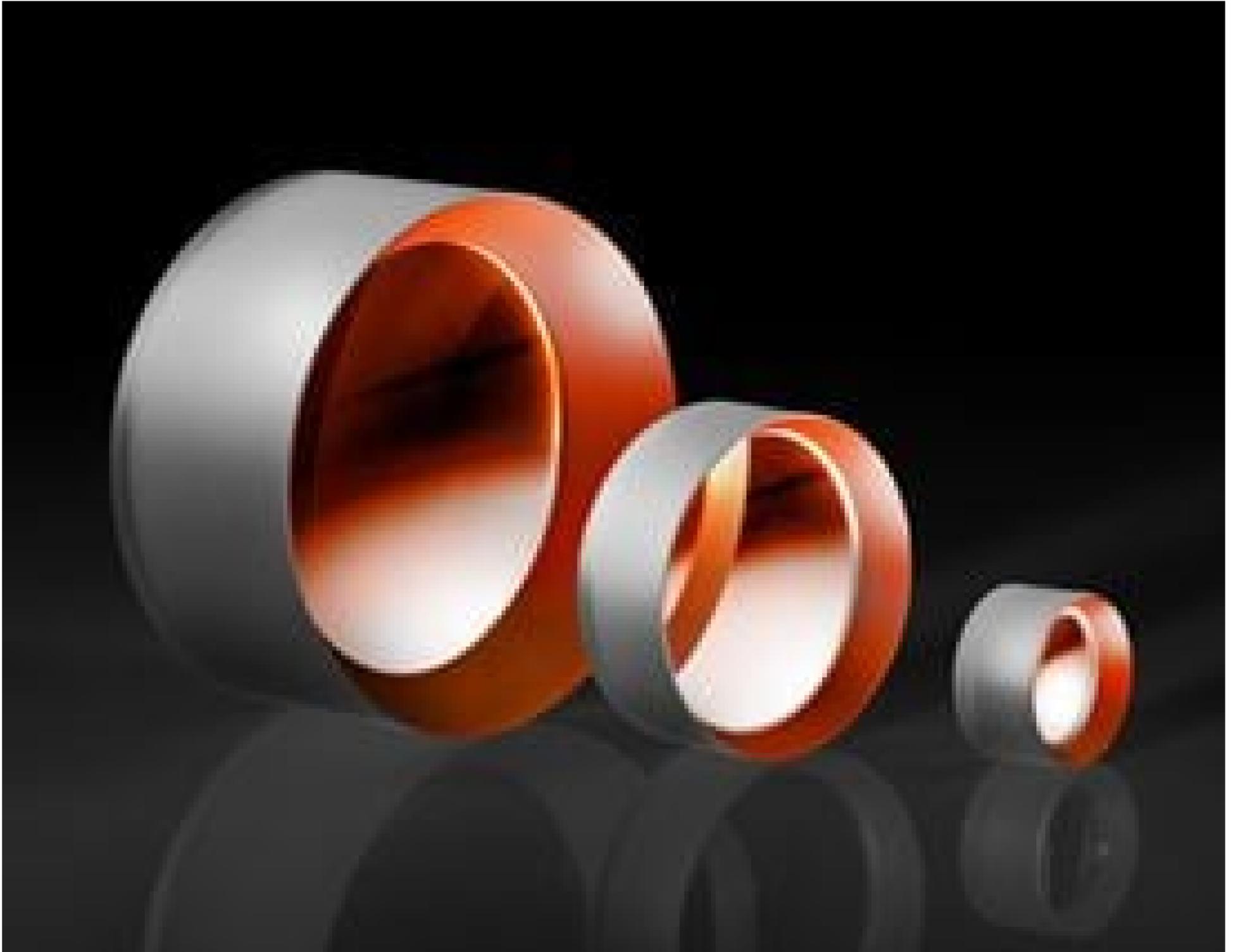


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**TECHSPEC® 40mm Dia x -100mm FL Negative Doublet Lens MgF<sub>2</sub> Coated**



Stock #63-765 **20+ In Stock**

- 1 + €200.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€200,00 each
Qty 6-25	€160,00 each
Qty 26-49	€150,00 each
Need More?	<a href="#">Request Quote</a>

! Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Negative Achromatic Lens **Type:**

**Physical & Mechanical Properties**

40.00 +0.0/-0.025 **Diameter (mm):**

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

<1	<b>Centering (arcmin):</b>
10.50 ±0.20	<b>Center Thickness CT (mm):</b>
4.00 ±0.10	<b>Center Thickness CT 1 (mm):</b>
6.50 ±0.10	<b>Center Thickness CT 2 (mm):</b>
15.08	<b>Edge Thickness ET (mm):</b>
Protective as needed	<b>Bevel:</b>

## Optical Properties

-100.00	<b>Effective Focal Length EFL (mm):</b>
±1	<b>Focal Length Tolerance (%):</b>
-104.33	<b>Back Focal Length BFL (mm):</b>
587.6	<b>Focal Length Specification Wavelength (nm):</b>
-60.11	<b>Radius R<sub>1</sub> (mm):</b>
48.43	<b>Radius R<sub>2</sub> (mm):</b>
149.50	<b>Radius R<sub>3</sub> (mm):</b>
<a href="#">N-BK7 / N-SF5</a>	<b>Substrate:</b> <input type="checkbox"/>
40-20	<b>Surface Quality:</b>
2.5	<b>f#:</b>
0.20	<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

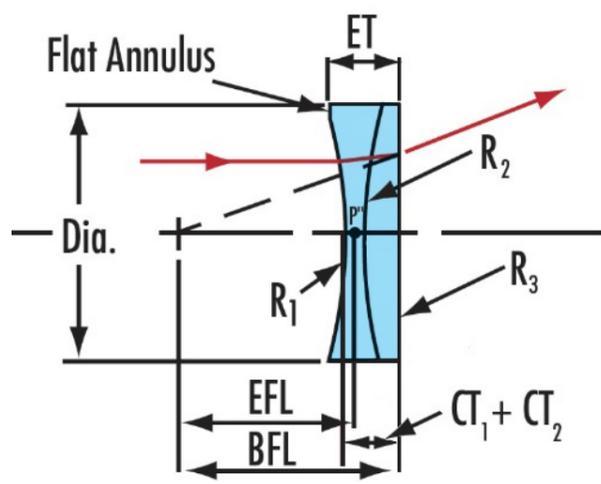
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">Compliant</a>	<b>Reach 219:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## 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



## 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