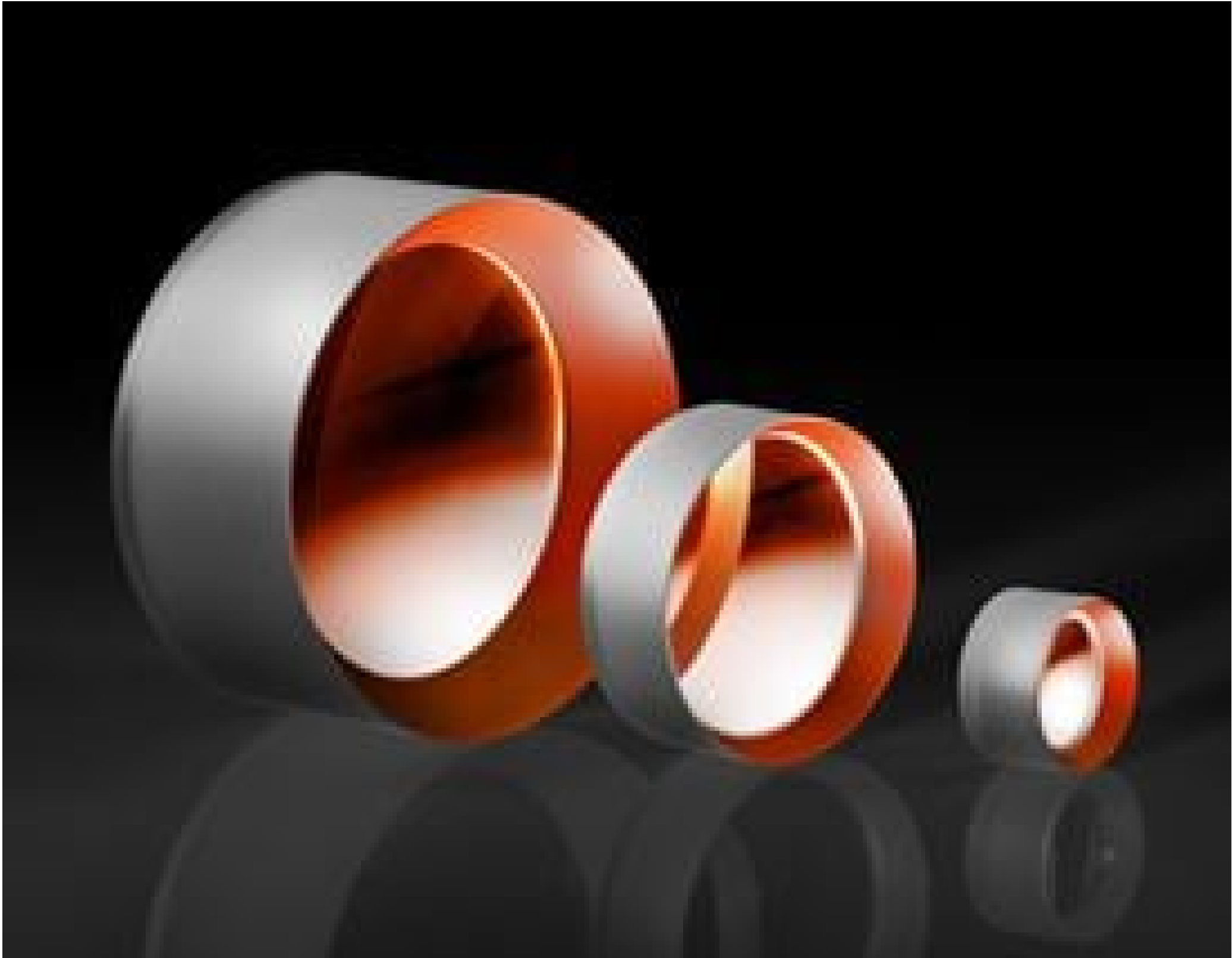


TECHSPEC<sup>®</sup> 6.25mm Dia x -7.5mm Negative Doublet Lens FL MgF<sub>2</sub> Coated



Stock #62-472 20+ In Stock

-

1

+

€75<sup>.50</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €75,50 each                   |
| Qty 6-25       | €64,00 each                   |
| Qty 26-49      | €60,50 each                   |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Negative Achromatic Lens

Physical & Mechanical Properties

Diameter (mm):

6.25 +0.0/-0.025

Clear Aperture CA (mm):

5.625

|                      |                             |
|----------------------|-----------------------------|
| <3                   | Centering (arcmin):         |
| 4.00 ±0.10           | Center Thickness CT (mm):   |
| 1.00 ±0.05           | Center Thickness CT 1 (mm): |
| 3.00 ±0.05           | Center Thickness CT 2 (mm): |
| 4.98                 | Edge Thickness ET (mm):     |
| Protective as needed | Bevel:                      |

Optical Properties

|                                       |                                             |
|---------------------------------------|---------------------------------------------|
| -7.50                                 | Effective Focal Length EFL (mm):            |
| ±1                                    | Focal Length Tolerance (%):                 |
| -9.90                                 | Back Focal Length BFL (mm):                 |
| 587.6                                 | Focal Length Specification Wavelength (nm): |
| -4.55                                 | Radius R <sub>1</sub> (mm):                 |
| 4.55                                  | Radius R <sub>2</sub> (mm):                 |
| ∞                                     | Radius R <sub>3</sub> (mm):                 |
| N-BAF10 / N-SF10                      | Substrate: <div></div>                      |
| 40-20                                 | Surface Quality:                            |
| 1.2                                   | f/#:                                        |
| 0.42                                  | Numerical Aperture NA:                      |
| MgF <sub>2</sub> (400-700nm)          | Coating:                                    |
| R <sub>avg</sub> ≤1.75% @ 400 - 700nm | Coating Specification:                      |
| 1.5λ                                  | Power (P-V) @ 632.8nm:                      |
| λ/4                                   | Irregularity (P-V) @ 632.8nm:               |
| 400 - 700                             | Wavelength Range (nm):                      |

Regulatory Compliance

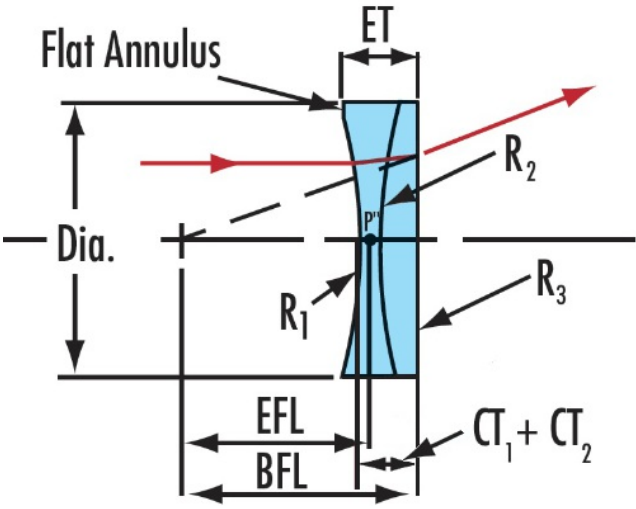
|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |
| Compliant | Reach 250:                  |

## 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