

**TECHSPEC® 25mm Dia. x 175mm FL , VIS 0° Coated, Achromatic Lens**



Stock **#47-644** **20+ In Stock**

[Other Coating Options](#)

1  £101<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	£101.60 each
Qty 6-25	£80.80 each
Qty 26-49	£76.80 each
Need More?	<a href="#">Request Quote</a>

**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

**SPECIFICATIONS**

**General**

Achromatic Lens

Type:

## Physical & Mechanical Properties

25.00 +0.0/-0.025 **Diameter (mm):**

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

<1 **Centering (arcmin):**

9.00 ±0.20 **Center Thickness CT (mm):**

6.00 ±0.10 **Center Thickness CT 1 (mm):**

3.00 ±0.10 **Center Thickness CT 2 (mm):**

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

Protective as needed **Bevel:**

## Optical Properties

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

±1 **Focal Length Tolerance (%):**

170.84 **Back Focal Length BFL (mm):**

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

109.16 **Radius R<sub>1</sub> (mm):**

-79.38 **Radius R<sub>2</sub> (mm):**

-226.03 **Radius R<sub>3</sub> (mm):**

[N-BK7 / N-SF5](#) **Substrate:**

40-20 **Surface Quality:**

7.00 **f#:**

0.07 **Numerical Aperture NA:**

MS 0° (425-675nm) **Coating:**

R<sub>avg</sub> ≤0.4% @ 425 - 675nm **Coating Specification:**

1.5λ **Power (P-V) @ 632.8nm:**

N4 **Irregularity (P-V) @ 632.8nm:**

425 - 675 **Wavelength Range (nm):**

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[Compliant](#) **Reach 219:**

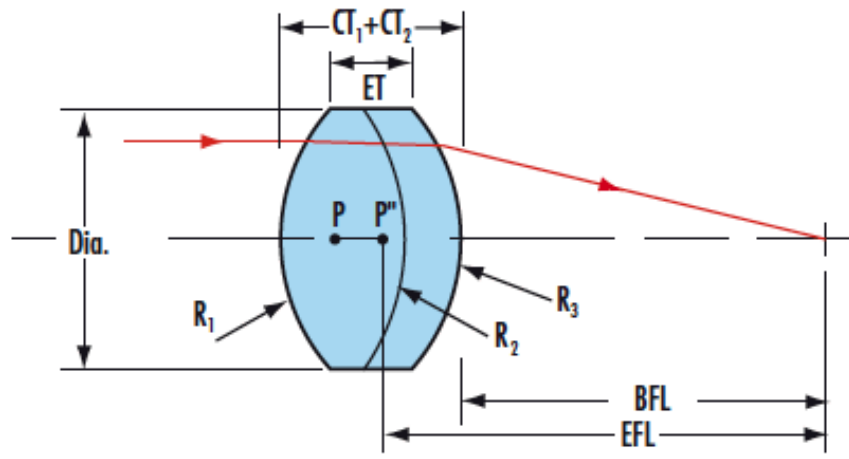
[View](#) **Certificate of Conformance:**

## PRODUCT DETAILS

- Designed for 0° Angle of Incidence
- Less Than 0.4% Reflectance Per Surface from 425 - 675nm
- [MgF<sub>2</sub>](#) and [VIS-NIR](#) Coated Achromats Also Available

TECHSPEC® VIS 0° Coated Achromatic Lenses consist of two optical components cemented together to form an achromatic doublet. The doublet is computer optimized to correct for on-axis spherical and chromatic aberrations. Achromatic lenses are best for applications involving multi-color (white light) imaging due to their specific doublet lens pairing that enables them to correct the color separation inherent in glass. TECHSPEC® VIS 0° Coated Achromatic Lenses provide optimized transmission for 425 – 675nm, reducing average reflection to 0.4%. [MgF<sub>2</sub>](#) and [VIS-NIR](#) Coated Achromats are also available on our website.

## 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