

**TECHSPEC® 63.5mm Dia x 486.3mm FL Achromatic Lens**



Stock **#42-817** **14 In Stock**

⊖ 1 ⊕ **A\$595<sup>.20</sup>**

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Volume Pricing	
Qty 1-5	<b>A\$595.20</b> each
Qty 6-25	<b>A\$505.60</b> each
Qty 26-49	<b>A\$475.20</b> each
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**General**

Achromatic Lens **Type:**

**Physical & Mechanical Properties**

63.50 +0.00/-0.08 **Diameter (mm):**

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

5.00	<b>Centering (arcmin):</b>
11.43	<b>Center Thickness CT 1 (mm):</b>
10.16	<b>Center Thickness CT 2 (mm):</b>
-680.72	<b>Radius R<sub>4</sub> (mm):</b>
19.11	<b>Edge Thickness ET (mm):</b>
Unmounted, Cemented	<b>Construction:</b>
Protective as needed	<b>Bevel:</b>

## Optical Properties

486.30	<b>Effective Focal Length EFL (mm):</b>
±1	<b>Focal Length Tolerance (%):</b>
476.42	<b>Back Focal Length BFL (mm):</b>
587.6	<b>Focal Length Specification Wavelength (nm):</b>
290.86	<b>Radius R<sub>1</sub> (mm):</b>
-197.87	<b>Radius R<sub>2</sub> (mm):</b>
-197.87	<b>Radius R<sub>3</sub> (mm):</b>
<a href="#">N-BK7 / N-SF2</a>	<b>Substrate:</b> <input type="checkbox"/>
60-40	<b>Surface Quality:</b>
7.7	<b>f#:</b>
0.06	<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>
400 - 700	<b>Wavelength Range (nm):</b>

## Regulatory Compliance

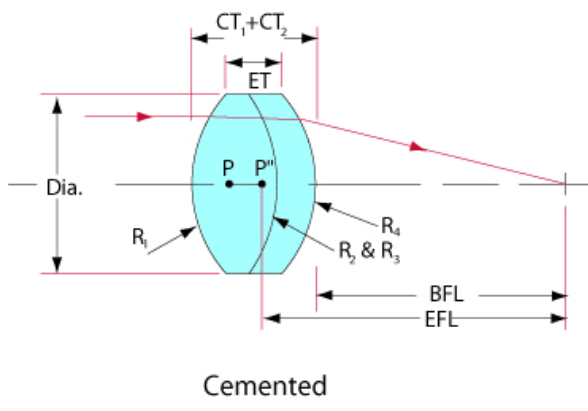
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 240:</b>

## Product Details

- Offered in Cemented or Air-Spaced Designs
- Mounted Versions Available for Easy Integration
- Feature MgF<sub>2</sub> Anti-Reflection Coating

TECHSPEC® Large Precision Achromatic Lenses offer near-diffraction limited performance across the designated wavelength range. These color-corrected achromatic lenses feature long focal lengths and are available in either cemented or air-spaced designs. The lenses have a MgF<sub>2</sub> anti-reflection coating and are available in diameters up to 140mm. TECHSPEC® Large Precision Achromatic Lenses, in the mounted version, feature a male mounting thread for easy integration into optical systems. Adhesive foil spacers and mounting instructions are included for unmounted, air-spaced achromatic lenses.

## Technical Information



## Coating Curves

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