

TECHSPEC® 63.5mm Dia x 486.3mm FL Achromatic Lens



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

⊖ 1 ⊕ **A\$595^{.20}**

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Volume Pricing	
Qty 1-5	A\$595.20 each
Qty 6-25	A\$505.60 each
Qty 26-49	A\$475.20 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	Centering (arcmin):
11.43	Center Thickness CT 1 (mm):
10.16	Center Thickness CT 2 (mm):
-680.72	Radius R₄ (mm):
19.11	Edge Thickness ET (mm):
Unmounted, Cemented	Construction:
Protective as needed	Bevel:

Optical Properties

486.30	Effective Focal Length EFL (mm):
±1	Focal Length Tolerance (%):
476.42	Back Focal Length BFL (mm):
587.6	Focal Length Specification Wavelength (nm):
290.86	Radius R₁ (mm):
-197.87	Radius R₂ (mm):
-197.87	Radius R₃ (mm):
N-BK7 / N-SF2	Substrate: <input type="checkbox"/>
60-40	Surface Quality:
7.7	f#:
0.06	Numerical Aperture NA:
MgF ₂ (400-700nm)	Coating:
R _{avg} ≤ 1.75% @ 400 - 700nm	Coating Specification:
400 - 700	Wavelength Range (nm):

Regulatory Compliance

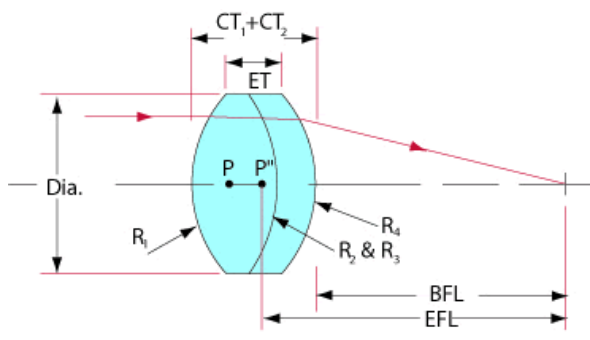
View	Certificate of Conformance:
Compliant	Reach 240:

Product Details

- Offered in Cemented or Air-Spaced Designs
- Mounted Versions Available for Easy Integration
- Feature MgF₂ 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 MgF₂ 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



Cemented

Coating Curves
