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TECHSPEC®

63.5mm Dia x 486.3mm FL Achromatic Lens



Stock #42-817 14 In Stock

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1

+

£297^{.60}

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Volume Pricing	
Qty 1-5	£297.60 each
Qty 6-25	£252.80 each
Qty 26-49	£237.60 each
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Product Downloads

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 R ₄ (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 R ₁ (mm):
-197.87	Radius R ₂ (mm):
-197.87	Radius R ₃ (mm):
N-BK7 / N-SF2	Substrate:
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

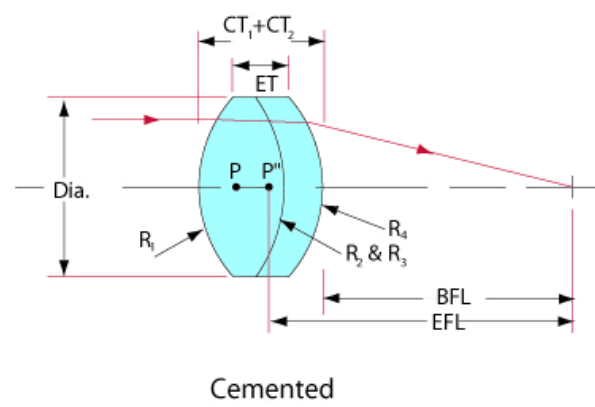
View	Certificate of Conformance:
Compliant	Reach 240:

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



Coating Curves

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