

TECHSPEC® 140mm Dia x 1900.2mm FL Achromatic Lens, Mtd



Stock **#54-569** [CONTACT US](#)

-

1

+

C\$2,142⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	C\$2,142.00 each
Qty 6-25	C\$1,820.00 each
Qty 26-49	C\$1,715.00 each
Need More?	Request Quote

Product Downloads

General

Achromatic Lens

Type:

Physical & Mechanical Properties

140.00 +0.00/-0.12

Diameter (mm):

123.00

Clear Aperture CA (mm):

5.00	Centering (arcmin):
15.42	Center Thickness CT 1 (mm):
10.92	Center Thickness CT 2 (mm):
-2704.01	Radius R ₄ (mm):
28.61	Edge Thickness ET (mm):
Mounted, Airspaced 0.10mm	Construction:
Protective as needed	Bevel:

Optical Properties

1,900.24	Effective Focal Length EFL (mm):
±1	Focal Length Tolerance (%):
1887.58	Back Focal Length BFL (mm):
587.6	Focal Length Specification Wavelength (nm):
1,131.72	Radius R ₁ (mm):
-780.87	Radius R ₂ (mm):
-779.37	Radius R ₃ (mm):
N-BK7 / N-SF2	Substrate:
60-40	Surface Quality:
14.8	f/#:
0.03	Numerical Aperture NA:
MgF ₂ (400-700nm)	Coating:
R _{avg} ≤1.75% @ 400 - 700nm	Coating Specification:
400 - 700	Wavelength Range (nm):

Threading & Mounting

33.07	Mount Thickness (mm):
M138 x 1.0	Mounting Threads:

Regulatory Compliance

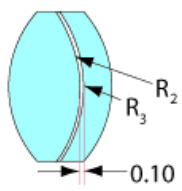
View	Certificate of Conformance:
------	-----------------------------

Product Details

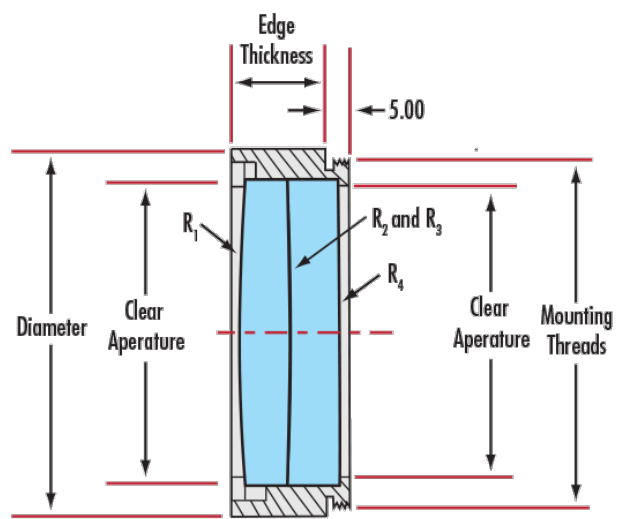
- Offered in Cemented or Air-Spaced Designs
- Mounted Versions Available for Easy Integration
- Feature MgF₂ Anti-Reflection Coating

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



Airspaced



Coating Curves