

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



Stock **#54-569** 3 In Stock

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1

+

€1.429⁶⁴

ADD TO CART

Volume Pricing	
Qty 1-5	€1.429,64 each
Qty 6-25	€1.215,40 each
Qty 26-49	€1.143,30 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

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:

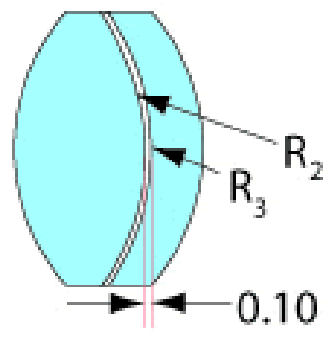
Regulatory Compliance	
View	Certificate of Conformance:

PRODUCT DETAILS

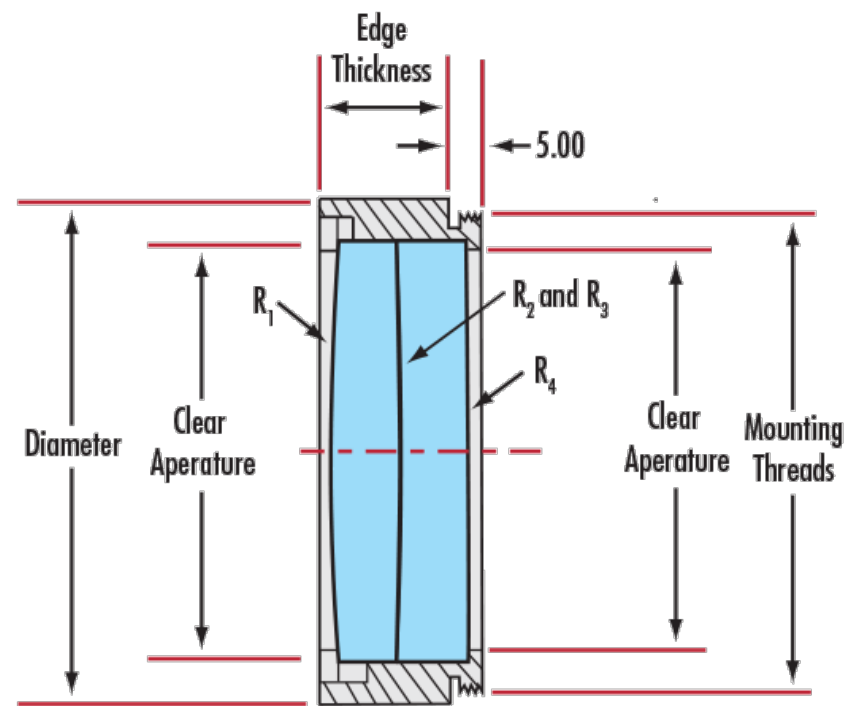
- Offered in Cemented or Air-Spaced Designs
- Mounted Versions Available for Easy Integration
- Feature MgF₂ Anti-Reflection Coating

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