

TECHSPEC® 25mm Dia. x 20mm EFL Precision Aspherized Achromatic Lens



Stock **#85-301** **5 In Stock**

S\$1,864.⁸⁰

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Volume Pricing	
Qty 1-5	S\$1,864.80 each
Qty 6-25	S\$1,681.40 each
Qty 26-49	S\$1,635.20 each
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Product Downloads

General

Achromatic Lens Type:

Physical & Mechanical Properties

25.00 +0.0/-0.1 Diameter (mm):

22.5 Clear Aperture CA (mm):

Centering (arcmin):
≤3

Center Thickness CT (mm):
23.20

Center Thickness CT 1 (mm):
15.00

Center Thickness CT 2 (mm):
8.2

Edge Thickness ET (mm):
11.75

Optical Properties

Effective Focal Length EFL (mm):
20.00

Back Focal Length BFL (mm):
8.56

Focal Length Specification Wavelength (nm):
587.6

Substrate:
[N-PK51 / S-NPH2](#)

Surface Quality:
20-10

f#:
0.8

Numerical Aperture NA:
0.63

Coating:
MgF₂ (400-700nm)

Coating Specification:
R_{avg} ≤ 1.75% @ 400 - 700nm

Wavelength Range (nm):
450 - 700

Asphere Figure Error, RMS @ 632.8nm:
0.8λ

Regulatory Compliance

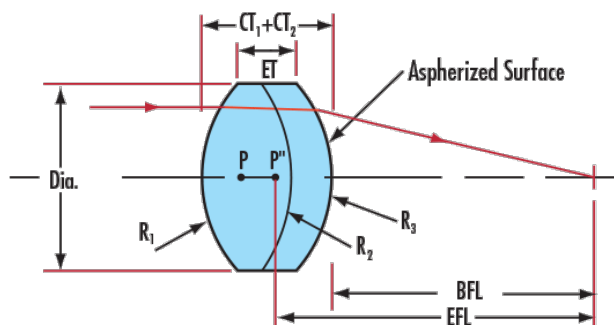
Certificate of Conformance:
[View](#)

Product Details

- All Glass Color-Corrected Asphere
- Ideal for Imaging and Biotech Applications
- MgF₂ Coated

Featuring an all glass design, TECHSPEC® Precision Aspherized Achromatic Lenses are truly achromatic, with less than 10μm of lateral chromatic aberration. These achromatic lenses are diffraction limited over the full visible spectrum, and have high numerical apertures for increased light throughput and small spot sizes. TECHSPEC® Precision Aspherized Achromatic Lenses are ideal for fluorescence microscopy, low signal-to-noise imaging applications, and multiple laser biotech applications.

Technical Information



CT: Center Thickness, ET: Edge Thickness, R: Radius, P: Principal Plane, BFL: Back Focal Length, EFL: Effective Focal Length

Coating Curves

Compatible Mounts

