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TECHSPEC® 20mm Dia. x 30mm FL, VIS 0° Coated, Achromatic Lens

Stock **#47-733** **20+ In Stock**

Other Coating Options

- 1 + **A$179**.20

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Volume Pricing	
Qty 1-5	**A$179.20** each
Qty 6-25	**A$144.00** each
Qty 26-49	**A$135.20** each
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Product Downloads

General

Type:

Achromatic Lens

Physical & Mechanical Properties

Diameter (mm):

20.00 +0.0/-0.025

Clear Aperture CA (mm):
19.00

Centering (arcmin):
<1

Center Thickness CT (mm):
10.16 ±0.20

Center Thickness CT 1 (mm):
8.40 ±0.10

Center Thickness CT 2 (mm):
1.76 ±0.10

Edge Thickness ET (mm):
7.21

Bevel:
Protective as needed

Optical Properties

Effective Focal Length EFL (mm):
30.00

Focal Length Tolerance (%):
±1

Back Focal Length BFL (mm):
24.70

Focal Length Specification Wavelength (nm):
587.6

Radius R_1 (mm):
21.41

Radius R_2 (mm):
-13.75

Radius R_3 (mm):
-105.58

Substrate:
S-BAH11 / N-SF10

Surface Quality:
40-20

f/#:
1.5

Numerical Aperture NA:
0.33

Coating:
VIS 0° (425-675nm)

Coating Specification:
R_{avg} ≤0.4% @ 425 - 675nm

Power (P-V) @ 632.8nm:
1.5λ

Irregularity (P-V) @ 632.8nm:
λ/4

Wavelength Range (nm):
425 - 675

Regulatory Compliance

RoHS 2015:
Compliant

Reach 219:
Compliant

Certificate of Conformance:
View

Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our custom manufacturing capabilities or submit an inquiry here.

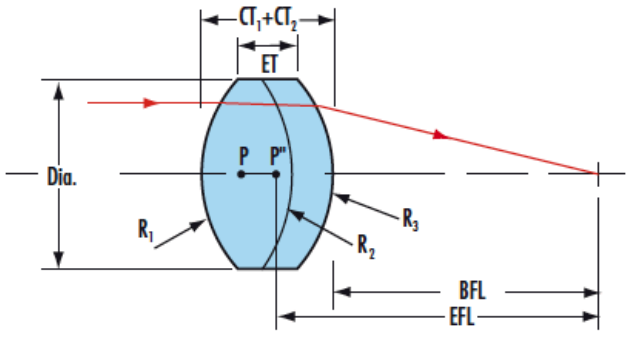
Product Details

- Designed for 0° Angle of Incidence
- Less Than 0.4% Reflectance Per Surface from 425 - 675nm

- MgF_2 and VIS-NIR Coated Achromats Also Available

TECHSPEC® VIS 0° Coated Achromatic Lenses consist of two optical components cemented together to form an achromatic doublet. The doublet is computer optimized to correct for on-axis spherical and chromatic aberrations. Achromatic lenses are best for applications involving multi-color (white light) imaging due to their specific doublet lens pairing that enables them to correct the color separation inherent in glass. TECHSPEC® VIS 0° Coated Achromatic Lenses provide optimized transmission for 425 – 675nm, reducing average reflection to 0.4%. MgF2 and VIS-NIR Coated Achromats are also available on our website.

Technical Information



Coating Curves

Compatible Mounts

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