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TECHSPEC® 12.7mm Dia. x 125mm FL, VIS-NIR, Inked, Achromatic Lens

Stock **#83-417-INK** CONTACT US

Other Coating Options

- 1 + **MRP ₹11,470**

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	**₹11,470** each
Qty 6-25	**₹9,133** each
Qty 26-49	**₹8,655** each
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Product Downloads

General

Type:

Achromatic Lens

Physical & Mechanical Properties

Diameter (mm):

12.70 ±0.025

Clear Aperture CA (mm):
11.7

Centering (arcmin):
<1

Center Thickness CT (mm):
6.50 ±0.20

Center Thickness CT 1 (mm):
4.50 ±0.10

Center Thickness CT 2 (mm):
2.00 ±0.10

Edge Thickness ET (mm):
6.11

Bevel:
Protective as needed

Optical Properties

Effective Focal Length EFL (mm):
125.00

Focal Length Tolerance (%):
±1

Back Focal Length BFL (mm):
121.95

Focal Length Specification Wavelength (nm):
587.6

Radius R_1 (mm):
76.92

Radius R_2 (mm):
-55.48

Radius R_3 (mm):
-162.59

Substrate:
N-BK7 / N-SF5

Surface Quality:
40-20

f/#:
9.84

Numerical Aperture NA:
0.05

Coating:
VIS-NIR (400-1000nm)

Coating Specification:
R_{abs} ≤0.25% @ 880nm
R_{avg} ≤1.25% @ 400 - 870nm
R_{avg} ≤1.25% @ 890 - 1000nm

Power (P-V) @ 632.8nm:
1.5λ

Irregularity (P-V) @ 632.8nm:
λ/4

Wavelength Range (nm):
400 - 1000

Regulatory Compliance

Certificate of Conformance:
View

Country of Origin:
Japan

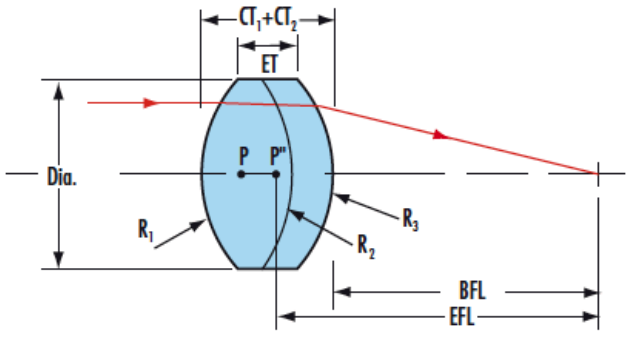
Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Product Details

- Designed for 0° Angle of Incidence
- Less Than 0.25% Reflectance Per Surface @ 880nm
- MgF_2 and VIS 0° Coated Achromats Also Available

TECHSPEC® VIS-NIR 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. TECHSPEC® VIS-NIR Coated Achromatic Lenses have visible/near-infrared broadband anti-reflection coating, which is specially optimized to yield maximum transmission (>99%) in the near-infrared. The achromatic lenses reduce reflection to less than 0.25 percent per surface at 880nm. Magnesium Fluoride coated and VIS 0° coated achromats are also available.

Technical Information



Coating Curves

Compatible Mounts

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