

TECHSPEC[®] 50mm Dia. x 75mm FL, VIS-NIR Coated, Achromatic Lens



Stock **#49-389** ☐ In Stock

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-

1

+

£164.90

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Qty 1-5
£164.90
Qty 6+
£131.96
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Diameter (mm):
50.00 +0.0/-0.025

Effective Focal Length EFL (mm):

75.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 61.17
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 49.00
Centering (arcmin): <1
Center Thickness CT (mm): 24.50 ±0.20
Center Thickness CT 1 (mm): 20.00 ±0.10
Center Thickness CT 2 (mm): 4.50 ±0.10
Radius R₁ (mm): 51.88
Radius R₂ (mm): -32.79
Radius R₃ (mm): -309.45
Edge Thickness ET (mm): 17.07
Substrate: ☐ N-BAF10 / N-SF10
Surface Quality: 40-20
f/#: 1.5
Numerical Aperture NA: 0.33
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
Bevel: Protective bevel as needed
Type: Achromatic Lens
Wavelength Range (nm): 400 - 1000

Regulatory Compliance

RoHS 2015: Compliant
Reach 219: Compliant
Certificate of Conformance: View