

TECHSPEC® 18mm Dia. x 22.5mm FL, VIS-NIR Coated, Achromatic Lens



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- 1 + **£86.70**

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£86.70
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Diameter (mm):
18.00 +0.0/-0.025

Effective Focal Length EFL (mm):

22.50
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 16.39
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 17.00
Centering (arcmin): <1
Center Thickness CT (mm): 11.70 ±0.20
Center Thickness CT 1 (mm): 8.70 ±0.10
Center Thickness CT 2 (mm): 3.00 ±0.10
Radius R ₁ (mm): 15.83
Radius R ₂ (mm): -12.65
Radius R ₃ (mm): -47.42
Edge Thickness ET (mm): 8.03
Substrate: ☐ N-BAF10 / N-SF57
Surface Quality: 40-20
f/#: 1.25
Numerical Aperture NA: 0.40
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