

TECHSPEC[®] 12.5mm Dia. x 17.5mm FL, VIS-NIR, Inked, Achromatic Lens



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1

+

£81.60

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Diameter (mm):
12.50 ±0.025

Effective Focal Length EFL (mm):

17.50
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 13.59
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 11.50
Centering (arcmin): <1
Center Thickness CT (mm): 7.30 ±0.10
Center Thickness CT 1 (mm): 5.80 ±0.05
Center Thickness CT 2 (mm): 1.50 ±0.05
Radius R ₁ (mm): 12.20
Radius R ₂ (mm): -9.82
Radius R ₃ (mm): -39.19
Edge Thickness ET (mm): 5.08
Substrate: ☐ N-BAF10 / N-SF57
Surface Quality: 40-20
f/#: 1.4
Numerical Aperture NA: 0.36
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 201: Compliant
Certificate of Conformance: View