

TECHSPEC® 50mm Dia. x 300mm FL, VIS-NIR, Inked, Achromatic Lens



Stock **#49-394-INK** [CONTACT US](#)
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- 1 + **£173.40**

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Qty 1-5
£173.40
Qty 6+
£138.76
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ⓘ Prices shown are exclusive of VAT/local taxes

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Diameter (mm):
50.00 ±0.025

Effective Focal Length EFL (mm):

300.00
Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 292.91
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 49.00
Centering (arcmin): <1
Center Thickness CT (mm): 12.50 ±0.20
Center Thickness CT 1 (mm): 9.00 ±0.10
Center Thickness CT 2 (mm): 3.5 ±0.10
Radius R ₁ (mm): 173.11
Radius R ₂ (mm): -164.03
Radius R ₃ (mm): -709.83
Edge Thickness ET (mm): 10.24
Substrate:  N-BAK4 / N-SF10
Surface Quality: 40-20
f/#: 6.00
Numerical Aperture NA: 0.08
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