

TECHSPEC®

12.5mm Dia. x 12.5mm FL, VIS-NIR, Inked, Plano-Convex Lens



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1

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£45.90

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Diameter (mm):
12.50 ±0.025

Effective Focal Length EFL (mm):

12.50 @ 587.6nm
Back Focal Length BFL (mm): 10.40
Coating: VIS-NIR (400-1000nm)
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm
Substrate: ☐ N-SF11
Surface Quality: 40-20
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Focal Length Tolerance (%): ±1
Centering (arcmin): <1
Center Thickness CT (mm): 3.75 ±0.05
Edge Thickness ET (mm): 1.50
Radius R₁ (mm): 9.81
Clear Aperture CA (mm): 11.5
f/#: 1.00
Numerical Aperture NA: 0.50
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 400 - 1000
Damage Threshold, By Design: ☐ 5 J/cm² @ 532nm, 10ns

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View