

TECHSPEC[®] 50.0mm Dia. x 175.0mm FL, NIR I Coated, Plano-Convex Lens



Stock **#48-800** 3-4 DAYS

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1

+

£51.42

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Diameter (mm):
50.00 +0.0/-0.025

Effective Focal Length EFL (mm):

175.00 @587.6nm
Back Focal Length BFL (mm): 169.05
Coating: NIR I (600-1050nm)
Coating Specification: R _{avg} ≤0.5% @ 600 - 1050nm
Substrate: ☐ N-BK7
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): 9.00 ±0.10
Edge Thickness ET (mm): 5.48
Radius R₁ (mm): 90.44
Clear Aperture CA (mm): 49
f/#: 3.5
Numerical Aperture NA: 0.14
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 600 - 1050
Damage Threshold, By Design: ☐ 7 J/cm² @ 1064nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant