

TECHSPEC®

75.0mm Dia. x 500.0mm FL, NIR II Coated, Plano-Convex Lens



Stock #86-925 10 TO 12 DAYS
[Other Coating Options](#)

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+

₹10,875.00

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Diameter (mm):
75.00 +0.0/-0.025

Effective Focal Length EFL (mm):
500.00 @587.6nm

Back Focal Length BFL (mm): 494.73
Coating: NIR II (750-1550nm)
Coating Specification: R _{abs} ≤1.5% @ 750 - 800nm R _{abs} ≤1.0% @ 800 - 1550nm R _{avg} ≤0.7% @ 750 - 1550nm
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): 8.00 ±0.10
Edge Thickness ET (mm): 5.26
Radius R₁ (mm): 258.40
Clear Aperture CA (mm): 73.5
f#: 6.67
Numerical Aperture NA: 0.07
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 750 - 1550
Damage Threshold, Reference: ☐ 8 J/cm ² @ 1064nm, 10ns

Regulatory Compliance

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