

TECHSPEC®

40mm Dia. x 400mm FL, NIR II Coated, Double-Convex Lens



Stock **#67-672**

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3-4 DAYS

Other Coating Options

-

1

+

£16.96

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Diameter (mm):
40.00 +0.0/-0.025

Back Focal Length BFL (mm):
397.35

Effective Focal Length EFL (mm):
400.00

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
Centering (arcmin): <1
Center Thickness CT (mm): 8.00
Center Thickness Tolerance (mm): ±0.10
Edge Thickness ET (mm): 7.03
Radius R₁=R₂ (mm): 412.09
Clear Aperture CA (mm): 39.00
f/#: 10.00
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1.00
Numerical Aperture NA: 0.05
Type: Double-Convex Lens
Wavelength Range (nm): 750 - 1550
Damage Threshold, Reference: 8 J/cm² @ 1064nm, 10ns

Regulatory Compliance

RoHS: Compliant
Reach 224: Compliant
Certificate of Conformance: View