

TECHSPEC®

12mm Dia. x 48mm FL, NIR II Coated, Double-Convex Lens



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1

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€42,50

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Diameter (mm):
12.00 +0.0/-0.025

Back Focal Length BFL (mm):

47.09
Effective Focal Length EFL (mm): 48.00
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): 2.74
Center Thickness Tolerance (mm): ±0.05
Edge Thickness ET (mm): 2.00
Radius R ₁ =R ₂ (mm): 49.14
Clear Aperture CA (mm): 11.00
f/#: 4.00
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1.00
Numerical Aperture NA: 0.13
Type: Double-Convex Lens
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