

TECHSPEC[®] 20mm Diameter x -100 FL, NIR II Coated, Plano-Concave Lens



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£36.98

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Diameter (mm):
20.00 +0.0/-0.025

Effective Focal Length EFL (mm):

-100.00
Substrate: N-BK7
f#: 4.00
Numerical Aperture NA: 0.13
Coating: NIR II (750-1550nm)
Type: Plano-Concave Lens
Wavelength Range (nm): 750 - 1550
Back Focal Length BFL (mm): -102.88
Bevel: Protective bevel as needed
Center Thickness CT (mm): 3.50 ±0.10
Centering (arcmin): <1
Clear Aperture CA (mm): 19.00
Coating Specification: R _{abs} ≤1.5% @ 750 - 800nm R _{abs} ≤1.0% @ 800 - 1550nm R _{avg} ≤0.7% @ 750 - 1550nm
Edge Thickness ET (mm): 4.42
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Radius R₁ (mm): -51.68
Surface Quality: 40-20
Damage Threshold, Reference: 8 J/cm² @ 1064nm, 10ns
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4

Regulatory Compliance

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