

TECHSPEC® 6mm Dia. x 18mm FL, NIR I, Inked, Double-Convex Lens



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Diameter (mm):
6.00 ±0.025

Back Focal Length BFL (mm):

17.26
Effective Focal Length EFL (mm): 18.00
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
Centering (arcmin): <1
Bevel: Protective bevel as needed
Center Thickness CT (mm): 2.20
Center Thickness Tolerance (mm): ±0.05
Edge Thickness ET (mm): 1.70
Radius R₁=R₂ (mm): 18.22
Clear Aperture CA (mm): 5.4
f/#: 3.00
Focal Length Specification Wavelength (nm): 587.6
Numerical Aperture NA: 0.17
Type: Double-Convex Lens
Wavelength Range (nm): 600 - 1050
Damage Threshold, By Design: ☐ 7 J/cm ² @ 1064nm, 10ns

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View