

TECHSPEC® 6.0mm Diameter x -18 FL, NIR I Coated, Plano-Concave Lens



Stock **#49-520** ☐ In Stock
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1 **C\$54.60**

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Diameter (mm):
6.00 +0.0/-0.025

Effective Focal Length EFL (mm):
-18.00

Substrate: N-BK7
f#: 3.00
Numerical Aperture NA: 0.17
Coating: NIR I (600-1050nm)
Type: Plano-Concave Lens
Wavelength Range (nm): 600 - 1050
Back Focal Length BFL (mm): -19.32
Bevel: Protective bevel as needed
Center Thickness CT (mm): 2.00
Center Thickness Tolerance (mm): ±0.05
Centering (arcmin): <1
Clear Aperture CA (mm): 5.4
Coating Specification: R_{avg} ≤0.5% @ 600 - 1050nm
Edge Thickness ET (mm): 2.40
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Radius R₁ (mm): -9.30
Surface Quality: 40-20
Damage Threshold, By Design: 7 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