

TECHSPEC®

18.0mm Dia. x 25.0mm FL, NIR II Coated, Plano-Convex Lens



Stock **#38-416** 10 TO 12 DAYS
[Other Coating Options](#)

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+

₹3,698.00

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Diameter (mm):
18.00 +0.0/-0.025

Effective Focal Length EFL (mm):
25.00 @ 587.6nm

Back Focal Length BFL (mm): 21.51
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
Focal Length Tolerance (%): ±1
Centering (arcmin): <1
Center Thickness CT (mm): 5.30 ±0.10
Edge Thickness ET (mm): 1.65
Radius R₁ (mm): 12.92
Clear Aperture CA (mm): 17
f#: 1.39
Numerical Aperture NA: 0.36
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
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