

TECHSPEC®

18.0mm Dia. x 54.0mm FL, NIR I Coated, Plano-Convex Lens



Stock **#48-755** ☐ In Stock
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1

+

£34.85

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Qty 1-9
£34.85
Qty 10+
£31.45
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Diameter (mm):
18.00 +0.0/-0.025

Effective Focal Length EFL (mm):

54.00 @ 587.6nm
Back Focal Length BFL (mm): 52.02
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
Focal Length Tolerance (%): ±1
Centering (arcmin): <1
Center Thickness CT (mm): 3.00 ±0.10
Edge Thickness ET (mm): 1.51
Radius R₁ (mm): 27.91
Clear Aperture CA (mm): 17
f/#: 3
Numerical Aperture NA: 0.17
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 600 - 1050
Damage Threshold, By Design: ☐ 7 J/cm ² @ 1064nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant
Reach 219: Compliant
Certificate of Conformance: View