

TECHSPEC®

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



Stock **#48-755-INK** 17 TO 22 D=DAYS

[Other Coating Options](#)



1



₹4,437.00

ADD TO CART

Qty 1-9

₹4,437.00

Qty 10+

₹4,002.00

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):
18.00 ±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: Compliant
Certificate of Conformance: View