

TECHSPEC®

18mm Dia. x 27mm FL, NIR II Coated, Double-Convex Lens



Stock **#67-638** 3-4 DAYS

[Other Coating Options](#)

-

1

+

£36.98

ADD TO CART

Qty 1-9
£36.98
Qty 10+
£33.36
Volume Pricing
Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Get Product Downloads



Diameter (mm):
18.00 +0.0/-0.025

Back Focal Length BFL (mm):

25.25
Effective Focal Length EFL (mm): 27.00
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
Centering (arcmin): <1
Center Thickness CT (mm): 5.50
Center Thickness Tolerance (mm): ±0.10
Edge Thickness ET (mm): 2.42
Radius R ₁ =R ₂ (mm): 27.08
Clear Aperture CA (mm): 17.00
f/#: 1.5
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1.00
Numerical Aperture NA: 0.33
Type: Double-Convex Lens
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