

TECHSPEC® 50mm Dia. x 200mm FL, VIS-NIR Coated, Double-Convex Lens



Stock **#45-908** 3-4 DAYS
[Other Coating Options](#)

- 1 + **€72,50**

ADD TO CART

Qty 1-9
€72,50
Qty 10+
€65,25
Volume Pricing
Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Get Product Downloads



Diameter (mm):
50.00 +0.0/-0.025

Back Focal Length BFL (mm):

198.33
Effective Focal Length EFL (mm): 200.00
Coating: VIS-NIR (400-1000nm)
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870 nm R _{avg} ≤1.25% @ 890 - 1000nm
Substrate: ☐ N-BK7
Surface Quality: 40-20
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Centering (arcmin): <1
Bevel: Protective bevel as needed
Center Thickness CT (mm): 5.05
Center Thickness Tolerance (mm): ±0.10
Edge Thickness ET (mm): 2.00
Radius R₁=R₂ (mm): 205.86
Clear Aperture CA (mm): 49.00
f/#: 4.00
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Numerical Aperture NA: 0.13
Type: Double-Convex Lens
Wavelength Range (nm): 400 - 1000
Damage Threshold, By Design: ☐ 5 J/cm ² @ 532nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant