

TECHSPEC® 9mm Dia. x -18mm FL, VIS-NIR Coated, Double-Concave Lens



Stock **#48-700** ☐ In Stock
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1 **C\$58.80**

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Diameter (mm):
9.00 +0.0/-0.025

Effective Focal Length EFL (mm):
-18.00

Substrate: ☐ N-BK7
f#: 2.00
Numerical Aperture NA: 0.25
Coating: VIS-NIR (400-1000nm)
Type: Double-Concave Lens
Wavelength Range (nm): 400 - 1000
Back Focal Length BFL (mm): -18.49
Bevel: Protective bevel as needed
Center Thickness CT (mm): 1.50
Center Thickness Tolerance (mm): ±0.05
Centering (arcmin): <1
Clear Aperture CA (mm): 8.1
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm
Edge Thickness ET (mm): 2.45
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Radius R₁=R₂ (mm): -18.86
Surface Quality: 40-20
Damage Threshold, By Design: ☐ 5 J/cm ² @ 532nm, 10ns
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4

Regulatory Compliance

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