

TECHSPEC® 50mm Dia. x 200mm FL, MgF₂ Coated, Double-Convex Lens



Stock **#45-170** ☐ In Stock
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1 **C\$80.50**

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Diameter (mm):
50.00 +0.0/-0.025

Back Focal Length BFL (mm):
198.33

Effective Focal Length EFL (mm): 200.00
Coating: MgF ₂ (400-700nm)
Coating Specification: R _{avg} ≤1.75% @ 400 - 700nm
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 - 700
Damage Threshold, By Design: ☐ 10 J/cm ² @ 532nm, 10ns

Regulatory Compliance

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