

TECHSPEC® 50.0mm Dia. x 175.0mm FL, MgF₂ Coated, Plano-Convex Lens



Stock **#45-250** ☐ In Stock
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1 **C\$74.20**

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Qty 1-9
C\$74.20
Qty 10+
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Diameter (mm):
50.00 +0.0/-0.025

Effective Focal Length EFL (mm):
175.00 @587.6nm

Back Focal Length BFL (mm): 169.05
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
Focal Length Tolerance (%): ±1
Centering (arcmin): <1
Center Thickness CT (mm): 9.00 ±0.10
Edge Thickness ET (mm): 5.48
Radius R₁ (mm): 90.44
Clear Aperture CA (mm): 49
f/#: 3.5
Numerical Aperture NA: 0.14
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
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