

TECHSPEC®

25.0mm Dia. x 85.0mm FL, MgF₂ Coated, Plano-Convex Lens



Stock **#45-365** 3-4 DAYS

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1

+

£29.75

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Qty 1-9
£29.75
Qty 10+
£26.77
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ⓘ Prices shown are exclusive of VAT/local taxes

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Diameter (mm):
25.00 +0.0/-0.025

Effective Focal Length EFL (mm):

85.00 @ 587.6nm
Back Focal Length BFL (mm): 82.17
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): 4.30 ± 0.10
Edge Thickness ET (mm): 2.48
Radius R₁ (mm): 43.93
Clear Aperture CA (mm): 24
f/#: 3.4
Numerical Aperture NA: 0.15
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